

 DATE ISSUED :
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 SDS REF. No :
 2000 SERIES

2000 SERIES LACQUER

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 2000 SERIES LACQUER

PRODUCT CODE: 2000 SERIES

PRODUCT USE: Industrial Aerosol Touch Up Paint

Company Contact Information: 24 HR. EMERGENCY TELEPHONE NUMBER

CHEMTREC (US Transportation): (800)424-9300 **CHEMTREC (International** : 1(202)483-7616

Transportation)

Los Angeles, Ca 90058-1826

C.R. Laurence Co., Inc.

2503 E. Vernon Ave

(323) 588-1281

2. HAZARDS IDENTIFICATION

PICTOGRAMS



SIGNAL WORD: DANGER

HAZARD STATEMENTS:

H226 Flammable liquid and vapor.

H304 May be fatal if swallowed and enters airways.

H312 Harmful if contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H351 Suspected of causing cancer.

H401 Toxic to aquatic life.

H402 Harmful to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS:

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P264 Wash thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P403 Store in a well-ventilated place.

P501 Dispose of in accordance with Local, Regional, State, Federal and International Regulations.

R40 Limited evidence of a carcinogenic effect.

S36 Wear suitable protective clothing.

S37 Wear suitable gloves.

3. COMPOSITION/INFORMATION ON INGREDIENTS



Chemical Name	Weight %	CAS Number
Isobutyl Acetate	15% - 20%	110-19-0
VM&P Naphtha	15% - 20%	64742-89-8
Isopropyl Alcohol	10% - 15%	67-63-0
Methyl Ethyl Ketone	10% - 15%	78-93-3
Meta-Xylene	1% - 5%	108-38-3
Phenylethane	0.50% - 0.99%	100-41-4

The follow substances may be present in varying quantities depending on color.

Titanium Dioxide	0% - 60%	13463-67-7	
Carbon Black	0% - 40%	1333-86-4	

4. FIRST AID MEASURES

Description of first aid measures.

EYES CONTACT : Flush with large quantities of water for 15 to 30 minutes. Remove contact lenses. Keep eyes wide open while rising. If eye irritation persists: Get medical attention.

SKIN CONTACT: Wash exposed area with mild soap and water for 15 to 30 minutes. Remove contaminated clothing. Repeated exposure may cause dryness or cracking.

INGESTION: Rinse mouth. Do NOT induce vomiting. Keep victim warm and seek immediate attention.

INHALATION: Remove to fresh air and keep in a position comfortable to breath. Call a doctor/physician if you feel unwell. Get medical attention.

Most important symptoms and effects, both acute and delayed. Symptoms/injuries: Eye irritation

Symptoms/injuries after inhalation: May cause drowsiness or dizziness.

Symptoms/injuries after eye contact: Cause serious eye irritation.

Symptoms/injuries after ingestion: Ingestion may cause nausea, vomiting and diarrhea.

Indication of any immediate medical attention and special treatment needed.

If medical advise is needed, have product container or label on hand.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: In the event of a fire, use specifically suitable extinguishing agents. Suitable extinguishing media: Foam, alcohol resistant foam, CO2, water fog. Unsuitable extinguishing media: Do not use heavy water stream. A heavy water stream my spread burning liquid.

FIRE FIGHTING PROCEDURE: Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering the environment. Protection during firefighting: Firefighters should wear full protective gear. Do not enter fire area without proper protective equipment, including self-contained breathing apparatus with full face piece operated in pressure demand or other positive pressure modes.

UNUSUAL FIRE AND EXPLOSION HAZARD : Fire hazard: Highly flammable/liquid or vapor. Explosive hazard: May form flammable/explosive vapor-air mixture.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

General measures: Remove ignition sources. Use special care to avoid static electric charges. No smoking.

FOR NON-EMERGENCY PERSONNEL:

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For non-Emergency procedures: Evacuate unnecessary personnel.

FOR EMERGENCY RESPONDERS:

Equip cleanup crew with proper protection. Avoid breathing fume, vapors.

ENVIRONMENTAL PRECAUTIONS:

Prevent entry to sewers and public waters.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEAN UP:

Collect damaged aerosols and use absorbent and/or inert material, then place in suitable container.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Additional hazards when processed: Handle empty containers with care because residual vapors are flammable.

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when you are leaving work. Provide good ventilation in process area to prevent formation of vapor. No smoking. Use only non-sparking tools. Use outdoors or in a well ventilated area. Avoid breathing fume, vapors. Hygiene measures: Wash Skin thoroughly after handling.

CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES: Storage conditions: Store in a dry, cool and well-ventilated place away from: Heat sources. Direct sunlight.

Incompatible products: Strong bases. Strong acids.

Incompatible materials: Source of ignition. Direct sunlight. Heat Sources.

8. EXPOSURE CONTROLS\PERSONAL PROTECTION

Aluminum Hydroxide(21645-51-2)			
USA ACGIH	ACGIH (TLV) TWA	10 mg/m3 (Total dust), 3 mg/m3	
		(Respirable fraction)	
USA OSHA	OSHA (PEL) TWA	15 mg/m3 (Tptal dust), 5 mg/m3	
		(Respirable fraction)	
BENZENE(71-43-2)			
USA ACGIH	ACGIH STEL	2.5 ppm	
USA ACGIH	ACGIH TWA	0.5 ppm	
USA OSHA	OSHA CARC PEL	1 ppm	
USA OSHA	OSHA CARC STEL	5 ppm	
USA OSHA	OSHA CIEL (Table Z-1-A)	5 ppm	
USA OSHA	OSHA STEL	5 ppm	
USA OSHA	OSHA TWA (Table Z-1-A)	1 ppm	
Carbon Black(1333-86-4)			
USA ACGIH	ACGIH TLV (mg/m3)	3.0 mg/m3	
USA OSHA	OSHA PEL (mg/m3)	3.5 mg/m3	
Ethylene glycol mono butyl ether(111-7			
USA ACGIH	ACGIH TWA (ppm)	20 ppm	
USA NIOSH	NIOSH REL (ppm)	5 ppm	
USA OSHA	OSHA PO TWA (ppm)	25 ppm	
USA OSHA	OSHA TABLE Z-1 TWA (mg/m3)	50 ppm, 240 mg/m3	
Isobutyl Acetate(110-19-0)			
USA ACGIH	ACGIH TWA TLV	150 ppm	
USA OSHA	OSHA PEL (TABLE Z-1)	150ppm, 700 mg/m3	
Isopropyl Alcohol(67-63-0)	· · · ·		
USA ACGIH	ACGIH STEL	400 ppm	
USA ACGIH	ACGIH TWA	200 ppm	
USA NIOSH	NIOSH IDLH	2,000 ppm	
USA OSHA	OSHA TWA	400 ppm, 980 mg/m3	
Meta-Xylene(108-38-3)	•		
USA ACGIH	ACGIH STEL TLV (15 m)	150 ppm, 651 mg/m3	
USA ACGIH	ACGIH TWA (8 h)	100 ppm, 434 mg/m3	
USA OSHA	OSHA TWA (8 h)	100 ppm, 435 mg/m3	
Methyl Ethyl Ketone(78-93-3)			
USA ACGIH	ACGIH STEL (ppm)	300 ppm	
USA ACGIH	ACGIH TWA (ppm)	200 ppm	
USA OSHA	OSHA PEL (STEL) (ppm)	100 ppm	
USA OSHA	OSHA PEL TWA (mg/m3)	410 mg/m3	



O-Xylene(95-47-6)			
USA ACGIH	ACGIH (TLV) STEL	150 ppm	
USA ACGIH	ACGIH (TLV) TWA	100 ppm	
USA NIOSH	NIOSH (REL) ST	150 ppm, 655 mg/m3	
USA NIOSH	NIOSH (REL) TWA	100 ppm, 435 mg/m3	
USA OSHA	OSHA (OEL) TWA Table Z-1	100 ppm, 435 mg/m3	
Para-Xylene(106-42-3)			
USA ACGIH	ACGIH (TLV) STEL	150 ppm	
USA ACGIH	ACGIH (TLV) TWA	100 ppm	
USA NIOSH	NIOSH (REL) ST	150 ppm, 650 mg/m3	
USA NIOSH	NIOSH (REL) TWA	100 ppm, 435 mg/m3	
USA OSHA	OSHA (OEL) TWA Table Z-1	100 ppm, 435 mg/m3	
Phenylethane(100-41-4)			
USA ACGIH	ACGIH STEL	125 ppm	
USA ACGIH	ACGIH TWA	20 ppm	
USA NIOSH	NIOSH REL	100 ppm, 435 mg/m3	
USA NIOSH	NIOSH REL (ST)	125 ppm, 545 mg/m3	
USA OSHA	OSHA STEL	125 ppm, 545 mg/m3	
USA OSHA	OSHA TWA (Table Z-1)	100 ppm, 435 mg/m3	
Titanium Dioxide(13463-67-7)			
PEL (Permissible Exposure Limit)	OSHA TWA	15 mg/m3	
TLV	ACGIH TWA	10 mg/m3	
Toluene(108-88-3)		•	
USA ACGIH	ACGIH TWA	20 ppm	
USA NIOSH	NIOSH REL (ST)	150 ppm, 560 mg/m3	
USA NIOSH	NIOSH REL TWA	100 ppm, 375 mg/m3	
USA OSHA	OSHA STEL (PO)	150 ppm, 560 mg/m3	
USA OSHA	OSHA TWA (PO)	100 ppm, 375 ppm	
USA OSHA	OSHA TWA (Table Z-2)	200 ppm	
VM&P Naphtha(64742-89-8)			
USA OSHA	OSHA TWA (Table PO)	400 ppm, 1,600 mg/m3	
USA OSHA	OSHA TWA (Table Z-1)	500 ppm, 2,000 mg/m3	
Xylene(1330-20-7)			
USA ACGIH	ACGIH STEL	150 ppm	
USA ACGIH	ACGIH TWA	100 ppm	
USA OSHA	OSHA TWA (Table Z-1)	100 PPM, 435 mg/m3	

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: If TLV of the product or any component is exceeded, a NIOSH approved dust respirator is advised in absence of environmental control. OSHA Regulations also permit other NIOSH dust respirators under specified conditions. (See your Safety Equipment Supplier) Engineering or administrative controls should be implemented to reduce exposure.

HAND PROTECTION REMARKS : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

EYES PROTECTION: Eye wash bottle with pure water.

Tightly fitting safety goggles.

Where face-shield and protective suit for abnormal processing problems.

SKIN AND BODY PROTECTION: Wear impervious clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place.

WORK HYGIENIC PRACTICES: When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	:	Liquid
Color	:	Various colors depending on the pigmentation.
Odor	:	Characteristic. Sweet. Mint like.
Odor threshold	:	No data available.
Ph	:	N/A - See Technical Data Sheet
Evaporation rate	:	Slower Than Ether
Melting point	:	-94.7 C (-138.46 F)
Freezing point	:	No data available.
Boiling point	:	175.0 deg F TO 334.0 deg F

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Flash point	:	24.00 deg F
Lower explosion limit	:	.8
Upper explosion limit	:	12.7
Vapor pressure	:	185 mm Hg
Vapor density	:	Heavier than air
Relative density	:	No data available.
Density	:	8.4340
Solubility	:	No data available.
Partion coefficient: n-	:	No data available.
octanol/water		
Autoignition temperature	:	No data available.
Decomposition temperature	:	No data available.

10. STABILITY AND REACTIVITY

REACTIVITY: No dangerous reaction known under conditions of normal use.

CHEMICAL STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: Heat, flames and sparks. Extremely high temperatures and direct sunlight.

INCOMPATIBLE MATERIALS: Avoid contact with strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), dense black smoke.

11. TOXICOLOGICAL INFORMATION

Aluminum Hydroxide(21	645-51-2)
Additional Information	RTECS: BD0940000 Nausea, Vomiting, and Constipation.
Aspiration hazard	No data available.
Carcinogenicity	IARC: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Dermal	No data available.
Germ cell mutagenicity	Mouse lymphocyte Result- negative Mutagenicity (micronucleus test) Rat - male Result: negative
Inhalation	No data available.
LD50 Oral - Rat -	>5,000 mg/kg, Oral - Rat - female
female - Acute toxicity	
Reproductive toxicity	No data available.
Respiratory or skin	Maximization Test (GPMT) - Guinea pig Result- Does not cause skin sensitization.(OECD Test
sensitization	Guideline 406)
Serious eye	Eyes - Rabbit Result: No eye irritation (OECD Test Guideline 405)
damage/eye irritation	
Skin	Skin - Rabbit Result: No skin irritation - 4 h (OECD Test Guideline 404)
corrosion/irritation	
Specific target organ	No data available.
toxicity - repeated	
exposure	
Specific target organ	No data available.
toxicity - single	
exposure	06.0)
Amorphous Silica(7631-	
Additional toxicological information	The product is not subject to classification according to internally approved calculation methods for preparations: When used and handled according to specifications, the product
IIIIOIIIIatioii	does not have any harmful effects according to our experience and information provided to
	us.
Irritant of skin	Not irritating (rabbit) (OCED 404)
Irritatant of eyes	Not irritating (rabbit) (OCED 404) Not irritating (rabbit) (OCED 405)
LC0 - Inhalative	>140->2000 mg/m3 / 4 h (Rat) (OCED 403)
LD50 - Dermal - Rabbit	>5000 mg/kg (Rabbit)
LD50 - Definal - Rabbit	>5000 mg/kg (Rabbit) >5000 mg/kg (Rat) (OECD 401)
FD30 - Olal - Kat	> > > > > > > > > > > > > > > > > > >



Other information	-> 1240 mg/kg/day
Other information - Oral	=> 1340 mg/kg/day
Sensitization	Not sensitizating (guinea pig) (OCED 406)
BENZENE(71-43-2)	,
Aspiration toxicity	May be fatal if swallowed and enters airways. Substances known to cause human aspiration
	toxicity hazards or to be regarded as if they cause human aspiration toxicity hazard.
Carcinogenicity	Species: rat Sex: female Dose: 0, 25, 50, 250 mg/kg Exposure time: 103 wks Number of
	exposures: daily, 5 days/week Test substance: yes Remarks: zymbal gland carcinomas,
	squamous cell papillomas Species: rat Sex: male Dose: 0, 50, 100, 200 mg/kg Exposure time: 103 wks Number of exposures: daily, 5 days/week Test substance: yes Remarks:
	zymbal gland carcinomas, squamous cell papillomas Species: mouse Sex: male and female
	Dose: 25, 50, 100 mg/kg Exposure time: 103 wks Number of exposures: daily, 5 days/week
	Test substance: yes Remarks: Clear evidence of multiple organ carcinogenicity.
CMR effects	Carcinogenicity: Human carcinogen. Mutagenicity: In vivo tests showed mutagenic effects
	Teratogenicity: Did not show teratogenic effects in animal experiments. Reproductive toxicity:
English that	Animal testing did not show any effects on fertility.
Eye irritation Further information	May cause irreversible eye damage.
LC50 Dermal	Chronic Health Hazard. Solvents may degrease the skin. 44.5 mg/l Exposure time: 4 h Species: rat Sex: Not Specified Test atmosphere: vapor
LD50	> 8,260 mg/kg Species: rabbit
LD50 Oral	> 2,000 mg/kg Species: rabbit > 2,000 mg/kg Species: rabbit
Repeated dose toxicity	Species: rat, female Sex: female. Application Route: oral gavage Dose: 0, 25, 50, 100 mg/kg
	Exposure time: 103 wk Number of exposures: 5 d/wk NOEL: < 25 mg/kg Lowest observable
	effect level: 25 mg/kg Species: rat, male Sex: male Application Route: oral gavage Dose: 0,
	50, 100, 200 mg/kg Exposure time: 103 wk Number of exposures: 5 d/wk NOEL: < 50 mg/kg
	Lowest observable effect level: 50 mg/kg Species: mouse Application Route: oral gavage Dose: 0, 25, 50,100 mg/kg Exposure time: 103 wk NOEL: < 25 mg/kg
Sensitization	Did not cause sensitization on laboratory animals.
Skin irritation	May cause skin irritation in susceptible persons.
Carbon Black(1333-86-4	
ACGIH	ACGIH The American Conference of Governmental Industrial Hygienists classifies carbon black
	as A4, Not Classifiable as a Human Carcinogen.
Carcinogenicity Classification	GHS- Not a hazardous substance or preparation according to the Global Harmonized System
Human Epidemiology	(GHS). Results of epidemiological studies of carbon black production workers suggest that cumulative
Traman Epidermology	exposure to carbon black may result in small decrements in lung function, as measured by
	FEV1. A recent U.S. respiratory morbidity study suggested a 27 mL decline in FEV1 from a 1
	mg/m3 (inhalable fraction) exposure over a 40-year period. An older European investigation
	suggested an exposure to 1 mg/m3 (inhalable fraction) of carbon black over a 40-year
	working-lifetime will result in a 48 mL decline in FEV1. In contrast, normal age related decline over a similar period of time would be approximately 1200 ml. The relationship between
	symptoms and exposure to carbon black is less clear. In the U.S. study, 9% of the highest
	exposure group (in contrast to 5% of the unexposed group) reported symptoms consistent
	with chronic bronchitis. In the European study, methodological limitations in the
	administration of the questionnaire limit the drawing of definitive conclusions about
House Fall 11	symptoms.
Human Epidemiology -	Since this IARC evaluation of carbon black, Sorahan and Harrington 16) re-analyzed the UK study data using an alternative exposure hypothesis and found a positive association with
cont	carbon black exposure in two of the five plants. The same exposure hypothesis was applied by
	Morfeld and McCunney 17-18) to the German cohort; in contrast, they found no association
	between carbon black exposure and lung cancer risk and, thus, no support for the alternative
	exposure hypothesis used by Sorahan and Harrington 16).
Human Epidemiology -	Morfeld and McCunney 19) applied a Bayesian approach to unravel the role of uncontrolled
cont.	confounders and identified smoking and prior exposure to occupational carcinogens received before being hired in the carbon black industry as main causes of the observed lung cancer
	excess risk. Overall, as a result of these detailed investigations, no causative link between
	carbon black exposure and cancer risk in humans has been demonstrated. This view is
	consistent with the IARC evaluation in 2006. Several epidemiological and clinical studies of
	workers in the carbon black production industries show no evidence of clinically significant
	adverse health effects due to occupational exposure to carbon black. No dose response
Human Epidemiology -	relationship was observed in workers exposed to carbon black. This study, however, indicated a link between carbon black and small opacities on chest films,
cont.	with negligible effects on lung function. A study on carbon black production workers in the UK
COIIC	10) found an increased risk of lung cancer in two of the five plants studied; however, the
	increase was not related to the dose of carbon black. Thus, the authors did not consider the
	increased risk in lung cancer to be due to carbon black exposure. A German study of carbon
	black workers at one plant 11-14) found a similar increase in lung cancer risk but, like the
	2001 UK study 10), found no association with carbon black exposure. In contrast, a large US
	study 15) of 18 plants showed a reduction in lung cancer risk in carbon black production



	workers. Based upon these studies, the February 2006 Working Group at IARC concluded that the human evidence for carcinogenicity was inadequate 1) .l
IARC	IARC In 1995 IARC concluded, "There is inadequate evidence in humans for the carcinogenicity of carbon black." Based on rat inhalation studies IARC concluded that there is, "sufficient evidence in experimental animals for the carcinogenicity of carbon black," IARC's overall evaluation was that, "Carbon black is possibly carcinogenic to humans (Group 2B)". This conclusion was based on IARC's guidelines, which require such a classification if one species exhibits carcinogenicity in two or more studies. IARC performed another review in 2006, and again classified carbon black as possibly carcinogenic to humans (Group 2B). In its 1987 review IARC concluded, "There is sufficient evidence in experimental animals for the carcinogenicity of carbon black extracts." Carbon black extracts are classified as, possibly carcinogenic to humans (Group 2B).
LD50 (Rat)	>8000 mg/kg
Mutagenic Effects and Germ Cell Mutagenicity	In an experimental investigation, mutational changes in the hprt gene were reported in alveolar epithelial cells in the rat following inhalation exposure to carbon black. This observation is believed to be rat specific and a consequence of "lung overload" which led to chronic inflammation and release of genotoxic oxygen species. This mechanism is considered to be a secondary genotoxic effect and thus, carbon black itself would not be considered to be mutagenic. Carbon black is not suitable to be tested in bacterial (Ames test) and other in vitro systems because of its insolubility in aqueous solutions. When tested, however, results for carbon black showed no mutagenic effects. Organic solvent extracts of carbon black can, however, contain traces of polycyclic aromatic hydrocarbons (PAHs). A study to examine the bioavailability of these PAHs showed that PAHs are very tightly bound to carbon black and not bioavailable.
NIOSH	NIOSH The U.S. National Institute of Occupational Safety and Health (NIOSH) 1978 criteria document on carbon black recommends that only carbon blacks with PAH contaminant levels greater than 0.1% require the measurement of PAHs in air. As some PAHs are possible human carcinogens, NIOSH recommends an exposure limit of 0.1 mg/m3 for PAHs in air, measured as the cyclohexane-extractable fraction.
NTP	NTP Carbon black is not designated a carcinogen by the U.S. National Toxicology Program (NTP), the U.S. Occupational Safety and Health Administration (OSHA) or the European Union (EU).
Reproductive and Teratogenic Effects	No experimental studies on effects of carbon black on fertility and reproduction have been located. However, based on toxicokinetic data, carbon black is deposited in the lungs and based on its specific physicochemical properties (insolubility, low absorption potential), it is not likely to distribute in the body to reach reproductive organs, embryo and/or foetus under in vivo conditions. Therefore, no adverse effects of carbon black to fertility/reproduction or to
	foetal development are expected. No effects have been reported in long-term animal studies.
Sensitization STOT- repeated exposure	No animal data is available. No cases in humans have been reported. Therefore, no STOT, Repeated exposure classification is made.
STOT- single exposure	Inhalation studies with the rat showed lung effects (see Section 11.2 and 11.3), these effects are believed to be the effects of "lung overload" 1 and these effects are believed to be specific to the species. In addition, the European CLP Regulation states that no classification is necessary if the mechanism is not relevant to humans. 4) Also, the CLP Guidance on classification and labeling states that the "lung overload" mechanism is not relevant to humans. 4) Therefore, no STOT, Repeated Exposure classification is made
Ethylene glycol mono bu	
Aspiration toxicity	Remarks: No data available.
Carcinogenicity	Species mouse, Application Route: Inhalation, Exposure time 2 yr, Activity duration: 6 h, Frequency of Treatment: 5 days/week, NAOEL: 125 ppm Result: Limited evidence of carcinogenic effects with no relevance to humans., Carcinogenicity-Assement: Not evidence of carcinogenicity in animal studies
Further information	Product Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.,
Germ cell mutagenicity	Genotoxicity in vitro: Test Type: Mammalian cell gene mutation assay; Test species: Chinese hamster (CHO), Metabolic activation: with and without metabolic activation. Result: negative., Genotoxicity in vivo: Test Type: In vivo micronucleus test., Test species:: mouse (male), application Route: Intraperitoneal, Result: negative., Germ cell mutagenicity Assessment: Tests on bacterial or mammalian did not show mutagenic effects.
LC50 (rat) inhalation	Acute inhalation toxicity: 500 ppm, Exposure time: 4 h; Assessment: the component/mixture is moderately toxic after short term inhalation.
LC50 (rat) Oral	Acute toxicity estimate: 500 mg/kg; Method: Expert judgment.; Assessment: the component/mixture is moderately toxic after single ingestion.
LD50 (rat) dermal	Acute toxicity estimate: 1,1000 mg/kg; Method: Expert judgment; Assessment: the component/mixture is moderately toxic after single contact with skin.
Repeated dose toxicity	Species: rat NOAEL: 30, Application Route: Inhalation Exposure time: 14 wk Number of exposures: 6 h/d, 5 d/wk.
Reproductive toxicity	Effects on fertility: Test Type: Two-generation study Species: mouse Application Route: oral Fertility: NOAEL: 720 mg/kg body weight Symptoms: Reduced fertility Result: Reduced



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	fertility at maternally toxic doses Effects on fetal development: Test Type: Embryo-fetal development Species: rat Application Route: Inhalation Duration of Single Treatment: 10 d Frequency of Treatment: 6 hr/day Developmental Toxicity: Lowest observed adverse effect level: 100 ppm Result: Developmental toxicity occurred at maternal toxicity dose levels Reproductive toxicity - Assessment: No evidence of adverse effects on sexual function and fertility, and on development, based on animal experiments
Respiratory or skin sensitsation	Test Type: Maximization test, Species guinea pig, Result: Did not cause sensitization on laboratory animals.
Serious eye damage/ eye irritation	Species rabbit, Exposure time 24 h, Result: Irritating to eyes.
Skin corrosion/irritation	Remarks: Moderate skin irritation in susceptible persons., Species rabbit, Exposure time 24 h, Result: Mild skin irritation
STOT - repeated	No data available.
exposure STOT - single exposure	No data available.
Isobutyl Acetate(110-19	-(1)
Aspiration hazard	No data available.
Carcinogenicity	No data available.
LC50 Inhalation	No data available
LD50 (Rabbit) Dermal	> 17,400 mg/kg
LD50 (Rat) Oral	3,200 - 6,400 mg/m3
Mutagenicity	In vitro Product: Salmonella typhimurium assay (Ames test), : negative +/- activation In vivo Product: Chromosomal aberration, oral: gavage (Mouse): Read-across from a similar material.
Other adverse effects	No data available.
Repeated dose toxicity	NOEL (Rat, Oral Study, 92 d): 316 mg/kg Read-across from a similar material.
Reproductive toxicity Respiratory or skin	No data available. Skin Sensitization:, (Guinea Pig) - non-sensitizing.
sensitization	(Rabbit): none
Serious eye damage/eye irritation	
Skin corrosion/irritation	(Rabbit, 4 h): none
Specific target organ toxicity - repeated exposure	No data available.
Specific target organ toxicity - single exposure	No data available.
Isopropyl Alcohol(67-63	-0)
Aspiration hazard	Based on physico-chemical values or lack of human evidence, not classified.
Carcinogenicity	Not classified.
Effects on Development	Not classified.
Germ cell mutagenicity	Not classified No adverse effect observed.
LC50 (Rat)	46.6 mg/l; Exposure time: 8 h, Acute inhalation toxicity: Based on acute toxicity values, not classified. High vapor concentrations may cause irritation of the eyes, nose, and/or throat, changes to the liver, lung, spleen, and brain, and central nervous system depression (ataxia, dizziness, narcosis, and muscle relaxation, with respiratory arrest and death in cases of severe over exposure).
LD50 (Rabbit)	12,870 mg/kg
LD50 (Rat)	4,396 mg/kg; Acute oral toxicity: Based on acute toxicity values, not classified. Ingestion may cause gastrointestinal effects (pain, nausea, vomiting, and hemorrhage), hypothermia, cardiac effects (low blood pressure, shock and cardiac arrest), liver changes, kidney damage, and CNS effects (headache, dizziness, sleepiness, coma and death).
Reproductive toxicity	Effects on fertility / Effects on or via lactation: Not classified.
Respiratory or skin sensitization	Not classified No adverse effect observed.
Serious eye damage/eye irritation	Classified Causes serious eye irritation.
Skin corrosion/irritation	Based on skin irritation values, not classified. Liquid may cause slight skin irritation. Exposure of liquid to the underdeveloped skin of premature infants may cause severe irritation.
Target Organ Systemic Toxicant - Repeated	Based on repeated exposure toxicity values, not classified.
exposure	
Target Organ Systemic Toxicant - Single	Routes of exposure: Ingestion, Inhalation Target Organs: Central nervous system Classified, May cause drowsiness or dizziness.
exposure Meta-Xylene(108-38-3)	



Additional Information	RTECS: ZE2275000 Liver injury may occur., Kidney injury may occur., Blood disorders, burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting, narcosis, Lung irritation, chest pain, pulmonary edema, Central nervous system depression, Dermatitis, Gastrointestinal disturbance.
Aspiration hazard	May be fatal if swallowed and enters airways.
Carcinogenicity	This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification. IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (m-Xylene) NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product presents at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Germ cell mutagenicity	No data available.
LC50 Inhalation (Rat, Male)	6700 ppm, 4 h - (Directive 67/548/EEC, Annex V, B.2.)
LD50 Dermal (Rabbit, Male)	12,126 mg/kg Remarks: Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2). No data available.
LD50 Oral (Rat, Male)	6,602 mg/kg (OECD Test Guideline 401)
Reproductive toxicity	Overexposure may cause reproductive disorder(s) based on tests with laboratory animals.
Respiratory or skin sensitization	Mouse Result: Does not cause skin sensitization. (OECD Test Guideline 429)
Serious eye damage/eye irritation	Eyes - Rabbit Result: Severe eye irritation - 24 h
Skin corrosion/irritation	Skin - Rabbit Result: Skin irritation - 24 h
Specific target organ toxicity - repeated exposure	No data available.
Specific target organ toxicity - single exposure	Inhalation - May cause respiratory irritation.
Methyl Ethyl Ketone(78-	93-3)
Aspiration toxicity	Product: May be harmful if swallowed and enters airways.
Carcinogenicity	Remarks: This information is not available, Carcinogenicity-Assement: Not classified as a human carcinogen.
Further information	Product Remarks: Symptoms of overexposure may be headache, diaainess, titedness, nausea and vomiting.,
Germ cell mutagenicity	Genotoxicity in vitro: Test Type: Ames test, Metabolic activation: with and without metabolic activation, Method OECD Test Guideline 471
LC50 (mouse) inhalation	320 mg/l (4 h exposure)
LC50 (rat) Oral	3737 mg/kg
LD50 (rabbit) dermal	6,480 mg/kg
Reproductive toxicity	Effects on fetal development, Species: rat female, Application Route: Inhalation, Dose: 400, 1000, 3000 ppm,
Respiratory or skin sensitsation	Test Type: Buehler Test, Species guinea pig, Method OECD Test Guideline 406, Result: Did not cause sensitization on laboratory animals.
Serious eye damage/ eye irritation	Remarks: Severe skin irritation, Species rabbit, Exposure time 24 h, Result: Irritation to eyes
Skin corrosion/irritation	Remarks: Moderate skin irritation, Species rabbit, Exposure time 24 h, Result: Mild skin irritation
STOT - repeated exposure	Product: No data available, Components: No data available.
STOT - single exposure	Product: Target Organs: Central Nervous system, Components: Exposure routes: Inhalation, Product: Target Organs: Central Nervous system
O-Xylene(95-47-6)	
Additional Information	RTECS: ZE2450000 narcosis, Lung irritation, chest pain, pulmonary edema, Central nervous system depression, Dermatitis, Gastrointestinal disturbance, Liver injury may occur., Kidney injury may occur. Plead disorders News
Achiration hazard	injury may occur., Blood disorders Nerves May be fatal if swallowed and enters airways.
Aspiration hazard Carcinogenicity	This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification. IARC: 3 - Group 3: Not classifiable as to its
	carcinogenicity to humans (o-Xylene) NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is
	identified as a carcinogen or potential carcinogen by OSHA.
Dermal -	No data available.
Germ cell mutagenicity LC50 - Inhalation - Rat	Ames test Salmonella typhimurium Result: negative >18,800 mg/m3, Rat - male - 6 h
- Male	210,000 mg/m3, kat - male - o m



LD50 - Intraperitoneal	1,364 mg/kg, Mouse
- Mouse -	
Oral - Acute Toxicity	No data available.
Reproductive toxicity	No data available.
Respiratory or skin sensitization	Mouse Result: Does not cause skin sensitization. (OECD Test Guideline 429)
Serious eye damage/eye irritation	No data available.
Skin	Skin - Rabbit Result: Irritating to skin 24 h
corrosion/irritation Specific target organ	No data available.
toxicity - repeated exposure	
Specific target organ toxicity - single	No data available.
exposure Para-Xylene(106-42-3)	
Additional Information	DTFCCC 7F2C2F000 accessis large insitetion, about an insulance of carbon accessing
Additional Information	RTECS: ZE2625000 narcosis, Lung irritation, chest pain, pulmonary edema, Central nervous system depression, Gastrointestinal disturbance, Liver injury may occur., Kidney injury may occur., Blood disorders Stomach - Irregularities - Based on Human Evidence Stomach - Irregularities - Based on Human Evidence.
Aspiration hazard	No data available.
Carcinogenicity	IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (p-Xylene) NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Germ cell mutagenicity	No data available.
LC50 - Inhalation - Rat	4,550 ppm, Rat - 4 h
LD50 - Oral - Rat - Acute toxicity	5,000 mg/m3, Oral - Rat
LD50 - Oral - Rat -Male	3,253 mg/kg, Oral - Rat - Male
Reproductive toxicity	No data available. May cause reproductive disorders.
Respiratory or skin sensitization	No data available.
Serious eye damage/eye irritation	No data available.
Skin corrosion/irritation	Skin - Rabbit Result: Moderate skin irritation - 4 h
Specific target organ toxicity - repeated exposure	No data available.
Specific target organ toxicity - single	No data available.
Phonylothano(100, 41, 4)	
Phenylethane(100-41-4)	
Aspiration toxicity	May be fatal if swallowed and enters airways.
Carcinogenicity	Species: mouse, (male and female) Application Route: Inhalation Exposure time: 103 wk Activity duration: 6 h Dose: 0, 75, 250, 750 ppm Frequency of Treatment: 5 days/week NOAEL: 250 ppm Method: OECD Test Guideline 453 Result: evidence of carcinogenic activity Symptoms: increased incidences of alveolar/bronchiolar neoplasms, increase incidence of hepatocellular carcinomas GLP: yes Carcinogenicity - Assessment: Carcinogenicity classification not possible from current data.
Germ cell mutagenicity	Genotoxicity in vitro, Test Type: Chromosome aberration test in vitro Test species: Chinese hamster ovary (CHO) Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 473 Result: negative GLP: no : Test Type: Mammalian cell gene
	mutation assay Test species: mouse lymphoma cells Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 476 Result: negative GLP: yes Genotoxicity in vivo: Test Type: In vivo micronucleus test species: mouse (male) Application
	Route: Oral Method: OECD Test Guideline 474 Result: negative GLP: yes Test Type: DNA damage and/or repair Test species: mouse (male and female)Application Route: Inhalation Method: OECD Test Guideline 486 Result: negative GLP: yes Germ cell mutagenicity Assessment: In vivo tests did not show mutagenic effects
LC50 (Mouse, Male)	10 mg/l Assessment: The component/mixture is moderately toxic after short term inhalation.
LD50 (rabbit) Repeated dose toxicity	15,433 mg/kg Species: rat, male and female NOAEL: 75 mg/kg Application Route: Oral Exposure time: 28 d Dose: 75, 250 and 750 mg/kg bw/day Method: OECD Test Guideline 407 GLP: yes
Reproductive toxicity	Symptoms: Increased kidney and liver weights Effects on fertility: Test Type: One generation study Species: rat, male and female Application Route: Inhalation Dose: 0, 100, 500 and 1000 ppm Duration of Single Treatment:
(1 - FF Sacci I Sacci. 5 200. 0, 200, 500 and 2000 ppin baradon of Single Headinghia



Respiratory or skin sensitization	6 h General Toxicity - Parent: NOAEC: 1,000 ppm General Toxicity F1: NOAEC: 100 ppm Symptoms: Reduced fetal weight. Reduced offspring weight gain. Method: OECD Test Guideline 415 Result: No reproductive effects. GLP: yes Effects on fetal development: Species: rat Application Route: Inhalation Dose: 0, 100, 500, 1000, 2000 ppm Duration of Single Treatment: 15 d General Toxicity Maternal: NOAEC: 500 ppm Teratogenicity: NOAEC: 2,000 ppm Developmental Toxicity: NOAEC: 500 ppm Symptoms: Reduced body weight Method: OECD Test Guideline 414 Result: Developmental toxicity occurred at maternal toxicity dose levels GLP: No data available Reproductive toxicity - Assessment: No toxicity to reproduction Did not show teratogenic effects in animal experiments. Remarks: No data available
Serious eye damage/eye irritation	Species: rabbit Result: Mild eye irritation Remarks: No data available
Skin corrosion/irritation	Species: rabbit Result: Mild skin irritation
STOT - repeated exposure	Target Organs: Auditory system Assessment: May cause damage to organs through prolonged or repeated exposure., The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.
STOT - single exposure	No data available.
Titanium Dioxide(13463	
Carcinogenicity	In lifetime inhalation studies rats were exposed for 2 years to respectively 10, 50, 250 mg/m3 of respirable TiO2.
Dermal ALD (rabbit)	>10000 mg/m3
Eye irritation	slight irritation
Inhalation 4 h ALC	>6.82 mg/l
ORAL ALD (rat) Sensitsation	>2400 mg/kg Did not cause sensitsation on laboratory animals.
Skin irritation	slight irritation
Toluene(108-88-3)	signt irritation
Aspiration toxicity	Aspiration Toxicity - Category 1
Carcinogenicity Further information Germ cell mutagenicity LC50 (rat, male and	Species: rat, (male and female) Application Route: inhalation (vapor) Exposure time: 103 wks Dose: 0, 600, 1200 ppm Frequency of Treatment: 6.5 h/d, 5 d/wk NOAEL: No observed adverse effect level: 1,200 ppm Method: OECD Test Guideline 453 Result: did not display carcinogenic properties Symptoms: Erosion of nasal epithelium Species: rat, (male and female) Application Route: inhalation (vapor) Exposure time: 103 wks Dose: 0, 600, 1200 ppm Frequency of Treatment: 6.5 h/d, 5 d/wk NOAEL: No observed adverse effect level: 1,200 ppm Method: OECD Test Guideline 453 Result: did not display carcinogenic properties Symptoms: Erosion of nasal epithelium Species: rat, (male and female) Application Route: inhalation (vapor) Exposure time: 103 wks Dose: 0, 600, 1200 ppm Frequency of Treatment: 6.5 h/d, 5 d/wk NOAEL: No observed adverse effect level: 1,200 ppm Method: OECD Test Guideline 453 Result: did not display carcinogenic properties Symptoms: Erosion of nasal epithelium , GLP: yes, Carcinogen Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Concentrations substantially above the TLV value may cause narcotic effects. Solvents may degrease the skin. Genotoxicity in vitro: Test Type: Mammalian cell gene mutation assay Test species: Mouse lymphoma cells Metabolic activation: with and without metabolic activation with and without metabolic activation Result: negative: Test Type: Ames test Metabolic activation: with and without metabolic activation Route: Intraperitoneal Exposure time: 1 or 5 d Dose: 0, 0.025, 0.082, 0.247 ml/kg Result: negative Test Type: Dominant lethal assay Test species: mouse (male) Application Route: inhalation (vapor) Exposure time: 6 h/d, 5 d/wk for 8 wks Dose: 0, 100, 400 ppm Method: OECD Test Guideline 478 Result: negative Germ cell mutagenicity Assessment: Tests on bacterial or mammalian cell cultures did not show mutagenic effects. 28.1 mg/l Exposure time: 4 h Test atmosphere: vapor Method: OECD Test Guideline 403
LC50 (rat, male and female)	28.1 mg/I Exposure time: 4 n Test atmosphere: vapor Method: OECD Test Guideline 403
LD50 (rabbit)	> 5,000 mg/kg
LD50 (rat, male)	> 5,580 mg/kg
Repeated dose toxicity	Species: mouse, male and female NOAEL: 625 mg/kg LOAEL: 1,250 mg/kg Application Route: Oral Exposure time: 13 wks Number of exposures: 5 d/wk Dose: 312, 625, 1250, 2500, 5000 Group: yes GLP: yes Symptoms: death, Increased liver weight, ataxia, hyperactivity, hypothermia Species: rat, male and female NOAEL: 300 Application Route: inhalation (vapor) Exposure time: 6, 12, or 18 months Number of exposures: 6 h/d, 5 d/wk Dose: 0, 30, 100, 300 ppm Method: OECD Test Guideline 453 Repeated dose toxicity - Assessment: Causes skin irritation.
Reproductive toxicity	Effects on fertility: Test Type: Two-generation study Species: rat, male and female Application Route: Inhalation Dose: 0, 100, 500, 2000 ppm Frequency of Treatment: 7 days/week General Toxicity - Parent: NOAEC: 500 ppm General Toxicity F1: NOAEC: 500 ppm Fertility: NOAEC: 2,000 ppm Symptoms: Reduced maternal body weight gain. Reduced



any effects on ferfility. GLP: yes Test Type: Fertility Species: rat, male and female Application Route: inhalation (vapor) Dose: 0, 600, 1200 ppm Frequency of Treatment: 7 days/week General Toxicity - Parent: NOAEC: 600 ppm Symptoms: Decreased sperm count Result: Animal testing did not show any effects on fertility. Reproductive toxicity Effects on fetal development: Species: rat Application Route: inhalation (vapor) Dose: 0, 250, 750, 1500, 3000 ppm Duration of Single Treatment: 10 d Frequency of Treatment: 6 hr/day General Toxicity Maternal: NOAEC: 750 ppm Development Toxicity: NOAEC: 750 ppm Symptoms: Maternal boxicity, Reduced body weight, Skeletal malformations. GLP: yes Reproductive toxicity - Assessment: Some evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments. Respiratory or skin Service Species: Parent Species: guinea pig Result: Did not cause sensitization on laboratory animals. GLP: yes Species: rabbit Result: Irritating to eyes. Method: OECD Test Guideline 405 Species: rabbit Result: Irritating to eyes. Method: OECD Test Guideline 405 Species: rabbit Exposure time: 4 h Result: Irritating to skin. Species: rabbit Exposure time: 4 h Result: Irritating to skin. Species: rabbit Exposure time: 4 h Result: Irritating to skin. Species: rabbit Exposure time: 4 h Result: Irritating to skin. Species: rabbit Exposure system, Eyes May cause damage to organs through prolonged or repeated exposure, category 2. Exposure routes: Target Organs: Assessment: Remarks: Inhalation Central nervous system May cause drowsiness or dizziness. The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects. Species: mouse, (male) Application Route: Dermal Exposure time: 102 wk Dose: 0.05 ml neat Method: OECD Test Guideline 473 Result: negative GLP: No data available Remarks: Category IB Genotoxicity in vitro: Test Type: Ames test Metabolic activation: with and without metabol		
(cont.) 250, 750, 1500, 3000 ppm Duration of Single Treatments: 10 d Frequency of Treatments: 6 hr/day General Toxicity; NoAcE: 750 ppm Symptoms: Maternal toxicity, Reduced body weight, Skeletal malformations. GLP: yes Reproductive toxicity - Assessment: Some evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments. Respiratory or skin Sensitization Test Type: Maximization Test (GPMT) Species: guinae pig Result: Did not cause sensitization on laboratory animals. GLP: yes Serious eye damage/eye irritation Species: Testive Result: Irritating to eyes. Method: OECD Test Guideline 405 Species: rabbit Resposure time: 4 h Result: Irritating to skin. corrosion/irritation Species: rabbit Exposure time: 4 h Result: Irritating to skin. corrosion/irritation Species: rabbit Exposure time: 4 h Result: Irritating to skin. corrosion/irritation Species: rabbit Exposure time: 4 h Result: Irritating to skin. corrosion/irritation Species: rabbit Exposure time: 4 h Result: Irritating to skin. corrosion/irritation Species: rabbit Exposure time: 4 h Result: Irritating to skin. corrosion/irritation Species: rabbit Exposure or mixture is classified as specific target organ toxicant, single exposure organ toxicant, single exposure, a species organ toxicant, single exposure organ toxicant, single exposure, category 3 with narcotic effects. VM&P Naphtha(64742-89-8) Aspiration toxicity Aspiration toxicity Aspiration toxicity Species: mouse, (male) Application Route: Dermal Exposure time: 102 wk Dose: 0.05 ml neat Method: 0ECD Test Guideline 435 Result: dont display carcinogenic properties GLP: No data available: Test Type: Maximization Method: 0ECD Test Guideline 401 dont display carcinogenic properties GLP: No data available: Test Type: Maximization Application Route: negative GLP: No data available: Test Type: Maximization Application Route: Inhalation Exposure time: 6 hours/day Dose: 0, 2000, 10000, 20000 mg/m3 Result: negative GLP: see General Control of the Applic		General Toxicity - Parent: NOAEC: 600 ppm Symptoms: Decreased sperm count Result: Animal testing did not show any effects on fertility.
sensitization Serious eye damage/eye irritation Skin corrosion/irritation Sin corrosion/irritation Sin corrosion/irritation Sin Species: rabbit Exposure time: 4 h Result: Irritating to skin. Inhalation Auditory system, Eyes May cause damage to organs through prolonged or repeated exposure, 2 the substance or mixture is classified as specific target organ toxicant, repeated exposure, 2 the substance or mixture is classified as specific target organ toxicant, repeated exposure, 2 the substance or mixture is classified as specific target organ toxicant, repeated exposure, 2 the substance or mixture is classified as specific target organ toxicant, single exposure, 2 the substance or mixture is classified as specific target organ toxicant, single exposure, 2 the substance or mixture is classified as specific target organ toxicant, single exposure, 2 the substance or mixture is classified as specific target organ toxicant, single exposure, 2 the substance or mixture is classified as specific target organ toxicant, single exposure, 2 the substance or mixture is classified as specific target organ toxicant, single exposure, 2 the substance or mixture is classified as specific target organ toxicant, single exposure, 2 the substance or mixture is classified as specific target organ toxicant, single exposure, 2 the substance or mixture is classified as specific target organ toxicant, single exposure (as specific target organ toxicant, single exposure, 2 the substance or mixture is classified as specific target organ toxicant, prepared organs toxicant, prepared organs toxicant, prepared organ toxicant, prepared organ toxicant, prepared organ toxicant, prepared organ tox		250, 750, 1500, 3000 ppm Duration of Single Treatment: 10 d Frequency of Treatment: 6 hr/day General Toxicity Maternal: NOAEC: 750 ppm Developmental Toxicity: NOAEC: 750 ppm Symptoms: Maternal toxicity, Reduced body weight, Skeletal malformations. GLP: yes Reproductive toxicity - Assessment: Some evidence of adverse effects on sexual function and
damage/eye irritation Skin Skin Species: rabbit Exposure time: 4 h Result: Irritating to skin. Species: rabbit Exposure time: 4 h Result: Irritating to skin. Species: rabbit Exposure time: 4 h Result: Irritating to skin. Inhalation Auditory system, Eyes May cause damage to organs through prolonged or repeated exposure, category 2. STOT - single exposure Exposure routes: Target Organs: Assessment: Remarks: Inhalation Central nervous system May cause drowsiness or dizziness. The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects. VMSP Naphtha(64742-28-9) Aspiration toxicity Carcinogenicity Aspiration Toxicity - Category 1 Carcinogenicity Germ cell mutagenicity Germ		Test Type: Maximization Test (GPMT) Species: guinea pig Result: Did not cause sensitization on laboratory animals. GLP: yes
corrosion/irritation STOT - repeated exposure Exposure care inhalation Auditory system, Eyes May cause damage to organs through prolonged or repeated exposure, The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2. STOT - single exposure Exposure routes: Target Organs: Assessment: Remarks: Inhalation Central nervous system May cause drowsiness or dizziness. The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects. VMRP Naphtha(64742-289-8) Aspiration toxicity Aspiration Toxicity - Category 1 Carcinogenicity Aspiration Toxicity - Category 1 Aspiration Toxicity - Category 1 Aspiration toxicity in vitro: Test Type: Ames test Metabolic activations with and without metabolic activation without OECD Test Guideline 473 Result: legative GLP: No data available Remarks: Category 1B Germ cell mutagenicity Genotoxicity in vitro: Test Type: Ames test Metabolic activation: with and without metabolic activation with ada without metabolic activation with and without metabolic activation with ada without me	damage/eye irritation	
exposure exposure, The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2. Exposure routes: Target Organs: Assessment: Remarks: Inhalation Central nervous system day cause drowsiness or dizziness. The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects. M&P Naphtha(64742-89-8) Aspiration toxicity Carcinogenicity Aspiration Toxicity - Category 1 Species: mouse, (male) Application Route: Dermal Exposure time: 102 wk Dose: 0.05 ml nate Method: OECD Test Guideline 453 Result: did not display carcinogenic properties GLP: No data available Remarks: Category 1B Germ cell mutagenicity Germ cell mutagenicity Figure : Type: Ammale and the sent with and without metabolic activation Method: OECD Test Guideline 471 Result: negative GLP: No data available: Test Type: Mammalian cell gene mutation assay Test species: Mouse lymphoma cells Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 476 Result: negative GLP: no Genotoxicity in vivo: Test Type: In vivo micronucleus tespecies: rat (male and female) Application Route: Inhalation Exposure time: 6 hours/day Dose: 0, 2000, 1000, 20000 mg/m3 Result: negative GLP: yes Germ cell mutagenicity Assessment: Did not show carcinogenic, teratogenic or mutagenic effects in animal experiments. LC50 Inhalation (rat, male and female) LD50 Por In(tat, male and female) Species: rat, male and RoAEL: < 500 mg/kg Application Route: Oral Exposure time: 4 wk Number of exposures: 5 d/wk Dose: 500 or 2000 mg/kg/day Symptoms: nephropathy 64742-89-8: Species: rat, male and female NOAEL: 1402 Application Route: White Naphtha Version 1.2 Revision Date: 0 fe herquency of Treatment: 7 days/week Material Safety Data Sharet VM8P Naphtha Ve	corrosion/irritation	
Exposure routes: Target Organs: Assessment: Remarks: Inhalation Central nervous system May cause drowsiness or dizziness. The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects. M&P Naphtha(64742-89-8) Aspiration toxicity Carcinogenicity Aspiration Toxicity - Category 1 Species: mouse, (male) Application Route: Dermal Exposure time: 102 wk Dose: 0.05 ml neat Method: OECD Test Guideline 453 Result: did not display carcinogenic properties GLP: No data available Remarks: Category 1B Germ cell mutagenicity Germ cell mutagenicity Figure : Target : Target : Target : Species: Target : Target: Mouse lymphoma cells Metabolic activation Method: OECD Test Guideline 471 Result: negative GLP: No data available: Test Type: Mammalian cell gene mutation assay Test species: Mouse lymphoma cells Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 476 Result: negative GLP: no Genotoxicity in vivo: Test Type: In vivo micronrucles tspecies: rat (male and female) Application Route: Inhalation Exposure time: 6 hours/day Dose: 0, 2000, 10000, 20000 mg/m3 Result: negative GLP: yes Germ cell mutagenicity Assessment: Did not show carcinogenic, teratogenic or mutagenic effects in animal experiments. LC50 Inhalation (rat, male and female) LD50 Por Inc (rat, male and female) Species: rat, male and ROAEL: 402 Application Route: Oral Exposure time: 4 wk Number of exposures: 5 d/wk Dose: 500 or 2000 mg/kg/day Symptoms: nephropathy 64742-89-8: Species: rat, male and female NOAEL: 1402 Application Route: Oral Exposure time: 4 wk Number of exposures: vapor Exposure time: 13 weeks Number of exposures: 6 hours/day, 5 days/week Material Safety Data Sheet VMBP Naphtha Version 1.2 Revision Date: 0 f h Frequency of Treatment: 7 days/week Raterial Safety Data Sheet VMBP Naphtha Version 1.2 Revi		
Aspiration toxicity	STOT - single exposure	Exposure routes: Target Organs: Assessment: Remarks: Inhalation Central nervous system May cause drowsiness or dizziness. The substance or mixture is classified as specific target
Garcinogenicity species: mouse, (male) Application Route: Dermal Exposure time: 102 wk Dose: 0.05 ml neat Method: OECD Test Guideline 433 Result: indig not display carcinogenic properties GLP: No data available Remarks: Category 18 Germ cell mutagenicity GEP: No data available Remarks: Category 18 Genotoxicity in vitro: Test Type: Ames test Metabolic activation: with and without metabolic activation attivation Method: OECD Test Guideline 471 Result: negative GLP: No data available: Test Type: Mammalian cell gene mutation assay Test species: Mouse lymphoma cells Metabolic activation with and without metabolic activation whethod: OECD Test Guideline 476 Result: negative GLP: no Genotoxicity in vivo: Test Type: In vivo micronucleus test species: rat (male and female) Application Route: Inhalation Exposure time: 6 hours/day Dose: 0, 2000, 10000, 20000 mg/m3 Result: negative GLP: yes Germ cell mutagenicity Assessment: Did not show carcinogenic, teratogenic or mutagenic effects in animal experiments. LC50 Inhalation (rat, male and female) Place of the Test Guideline 402 GLP: yes Germ cell mutagenicity Assessment: Did not show carcinogenic, teratogenic or mutagenic effects in animal experiments. 7.6 mg/l Exposure time: 4 h Test atmosphere: vapor Method: OECD Test Guideline 403 GLP: yes and female) LD50 Oral (rat, male and female) Species: rat, male NOAEL: < 500 mg/kg Application Route: Oral Exposure time: 4 wk Number of exposures: 5 d/wk Dose: 500 or 2000 mg/kg/day Symptoms: nephropathy 64742-89-8: Species: rat, male and female NOAEL: 1402 Application Route: inhalation (vapor) Test days/week Material Safety Data Sheet VM&P Naphtha Version 1.2 Revision Date: 08/11/2014 MSDS Number: 100000002/744 30 / 44 VM&P Naphtha Dose: 322, 1402, 9869 mg/m3 GLP: yes Target Organs: Kidney Symptoms: Nasal and ocular discharge. Reproductive toxicity Effects on fertility: Test Type: Two-generation study Species: rat, male and female Application Route: vapor Dose: 0, 5000, 10000, 2000 mg/m3 Symptoms: No adverse effects. Method: OEC		
neat Method: OECD Test Guideline 453 Result: did not display carcinogenic properties GLP: No data available Remarks: Category 1B Germ cell mutagenicity Genotoxicity in vitro: Test Type: Ames test Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative GLP: No data available: Test Type: Mammalian cell gene mutation assay Test species: Mouse lymphoma cells Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 476 Result: negative GLP: no Genotoxicity in vivo: Test Type: In vivo micronucleus test species: rat (male and female) Application Route: Inhalation Exposure time: 6 hours/day Dose: 0, 2000, 1000, 20000 mg/m3 Result: negative GLP: yes Germ cell mutagenicity Assessment: Did not show carcinogenic, teratogenic or mutagenic effects in animal experiments. LC50 Inhalation (rat, male and female) LD50 Dermal (rabbit, male and female) DS50 Oral (rat, male and female) Species: rat, male NOAEL: < 500 mg/kg Application Route: Oral Exposure time: 4 wk Number of exposures: 5 d/wk Dose: 500 or 2000 mg/kg/day Symptoms: nephropathy 64742-89-8: Species: rat, male and female NOAEL: 1402 Application Route: inhalation (vapor) Test atmosphere: vapor Exposure time: 13 weeks Number of exposures: 6 hours/day, 5 days/week Material Safety Data Sheet WAB? Naphtha Version 1.2 Revision Date: 08/11/2014 MSDS Number: 10000002744 30 / 44 VM&P Naphtha Dose: 322, 1402, 9869 mg/m3 GLP: yes Target Organs: Kidney Symptoms: Nasal and ocular discharge. Reproductive toxicity Reproductive toxicity: NoAEC: 20000 mg/m3 Symptoms: N		
activation Method: OECD Test Guideline 471 Result: negative GLP: No data available: Test Type: Mammalian cell gene mutation assay Test species: Mouse lynphoma cells Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 476 Result: negative GLP: no Genotoxicity in vivo: 1 Test Type: In vivo micronucleus test species: rat (male and female) Application Route: Inhalation Exposure time: 6 hours/day Dose: 0, 2000, 10000, 20000 mg/m3 Result: negative GLP: yes Germ cell mutagenicity Assessment: Did not show carcinogenic, teratogenic or mutagenic effects in animal experiments. LC50 Inhalation (rat, male and female) LD50 Dermal (rabbit, male and female) LD50 Oral (rat, male and female) LD50 Oral (rat, male and female) Repeated dose toxicity Species: rat, male NOAEL: < 500 mg/kg Application Route: Oral Exposure time: 4 wk Number of exposures: 5 d/wk Dose: 500 or 2000 mg/kg/day Symptoms: nephropathy 64742-89-8: Species: rat, male and female NOAEL: 1402 Application Route: inhalation (vapor) Test atmosphere: vapor Exposure time: 13 weeks Number of exposures: 6 hours/day, 5 days/week Material Safety Data Sheet VM&P Naphtha Version 1.2 Revision Date: 08/11/2014 MSDS Number: 100000002744 30 / 44 VM&P Naphtha Dose: 322, 1402, 9869 mg/m3 GLP: yes Tarqet Organs: Kidney Symptomys: Nasal and ocular discharge. Reproductive toxicity Effects on fertility: Test Type: Two-generation study Species: rat, male and female Application Route: open Dose: 0, 5000, 10000, 20000 mg/m3 Duration of Single Treatment: 6 h Frequency of Treatment: 7 days/week General Toxicity - Parent: NOAEC: > 20,000 mg/m3 General Toxicity F1: NOAEC: > 20,000 mg/m3 Symptoms: No adverse effects. Method: OECD Test Guideline 416 GLP: yes Effects on fetal development: Species: rat Application Route: supart base of the proper symptoms: No adverse effects. Method: OECD Test Guideline 416 GLP: yes Effects on fetal development: Species: rat Application Route: Inhalation Dose: 2653, 7960, 23900 mg/m3 Symptoms: No adverse effects. Method		neat Method: OECD Test Guideline 453 Result: did not display carcinogenic properties GLP: No data available Remarks: Category 1B
LC50 Inhalation (rat, male and female) LD50 Dermal (rabbit, male and female) LD50 Dermal (rabbit, male and female) LD50 Oral (rat, male and female) LD50 Oral (rat, male and female) Repeated dose toxicity Repeated Repea	Germ cell mutagenicity	activation Method: OECD Test Guideline 471 Result: negative GLP: No data available: Test Type: Mammalian cell gene mutation assay Test species: Mouse lymphoma cells Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 476 Result: negative GLP: no Genotoxicity in vivo: Test Type: In vivo micronucleus test species: rat (male and female) Application Route: Inhalation Exposure time: 6 hours/day Dose: 0, 2000, 10000, 20000 mg/m3 Result: negative GLP: yes Germ cell mutagenicity Assessment: Did not
D50 Dermal (rabbit, male and female) 2,000 mg/kg Method: OECD Test Guideline 402 GLP: yes		7.6 mg/l Exposure time: 4 h Test atmosphere: vapor Method: OECD Test Guideline 403 GLP:
D50 Oral (rat, male and female)	LD50 Dermal (rabbit,	
of exposures: 5 d/wk Dose: 500 or 2000 mg/kg/day Symptoms: nephropathy 64742-89-8: Species: rat, male and female NOAEL: 1402 Application Route: inhalation (vapor) Test atmosphere: vapor Exposure time: 13 weeks Number of exposures: 6 hours/day, 5 days/week Material Safety Data Sheet VM&P Naphtha Version 1.2 Revision Date: 08/11/2014 MSDS Number: 100000002744 30 / 44 VM&P Naphtha Dose: 322, 1402, 9869 mg/m3 GLP: yes Target Organs: Kidney Symptoms: Nasal and ocular discharge. Reproductive toxicity Effects on fertility: Test Type: Two-generation study Species: rat, male and female Application Route: vapor Dose: 0, 5000, 10000, 20000 mg/m³ Duration of Single Treatment: 6 h Frequency of Treatment: 7 days/week General Toxicity - Parent: NOAEC: > 20,000 mg/m³ General Toxicity F1: NOAEC: > 20,000 mg/m³ Symptoms: No adverse effects. Method: OECD Test Guideline 416 GLP: yes Effects on fetal development: Species: rat Application Route: Inhalation Dose: 2653, 7960, 23900 mg/m³ Duration of Single Treatment: 6 h Frequency of Treatment: 7 days/week General Toxicity Maternal: NOAEL: 23,900 mg/m³ Embryo-fetal toxicity: NOAEL: 23,900 mg/m³ Symptoms: No malformations were observed. Method: OECD Test Guideline 414 GLP: yes Respiratory or skin sensitization Serious eye damage/eye irritation Serious eye damage/eye irritation Serious eye damage/eye irritation Species: rabbit Result: Not irritating to eyes Exposure time: 1 - 2 s Classification: Not irritating to eyes GLP: yes Remarks: No eye irritation Species: rabbit Exposure time: 4 h Classification: Irritating to skin Result: Irritating to skin GLP: yes STOT - repeated exposure Exposure time: 4 h Classification: Irritating to skin Result: Irritating to skin GLP: yes Exposure routes: Inhalation Target Organs: Central nervous system Assessment: May cause drowsiness or dizziness. Xylene(1330-20-7)	LD50 Oral (rat, male	> 5,000 mg/kg Method: OECD Test Guideline 401 GLP: yes
Application Route: vapor Dose: 0, 5000, 10000, 20000 mg/m³ Duration of Single Treatment: 6 h Frequency of Treatment: 7 days/week General Toxicity - Parent: NOAEC: > 20,000 mg/m³ General Toxicity F1: NOAEC: > 20,000 mg/m³ Symptoms: No adverse effects. Method: OECD Test Guideline 416 GLP: yes Effects on fetal development: Species: rat Application Route: Inhalation Dose: 2653, 7960, 23900 mg/m³ Duration of Single Treatment: 6 h Frequency of Treatment: 7 days/week General Toxicity Maternal: NOAEL: 23,900 mg/m³ Embryo-fetal toxicity.: NOAEL: 23,900 mg/m³ Symptoms: No malformations were observed. Method: OECD Test Guideline 414 GLP: yes Respiratory or skin sensitization Result: Did not cause sensitization on laboratory animals. GLP: yes Remarks: not sensitizing. Serious eye damage/eye irritation Skin Species: rabbit Result: Not irritating to eyes Exposure time: 1 - 2 s Classification: Not irritating to eyes GLP: yes Remarks: No eye irritation Sypecies: rabbit Exposure time: 4 h Classification: Irritating to skin Result: Irritating to skin GLP: yes STOT - repeated exposure STOT - single exposure Exposure routes: Inhalation Target Organs: Central nervous system Assessment: May cause drowsiness or dizziness. Xylene(1330-20-7)	Repeated dose toxicity	Species: rat, male and female NOAEL: 1402 Application Route: inhalation (vapor) Test atmosphere: vapor Exposure time: 13 weeks Number of exposures: 6 hours/day, 5 days/week Material Safety Data Sheet VM&P Naphtha Version 1.2 Revision Date: 08/11/2014 MSDS Number: 100000002744 30 / 44 VM&P Naphtha Dose: 322, 1402, 9869 mg/m3 GLP:
Serious eye damage/eye irritation Skin corrosion/irritation STOT - repeated exposure STOT - single	, ,	Effects on fertility: Test Type: Two-generation study Species: rat, male and female Application Route: vapor Dose: 0, 5000, 10000, 20000 mg/m³ Duration of Single Treatment: 6 h Frequency of Treatment: 7 days/week General Toxicity - Parent: NOAEC: > 20,000 mg/m³ General Toxicity F1: NOAEC: > 20,000 mg/m³ Symptoms: No adverse effects. Method: OECD Test Guideline 416 GLP: yes Effects on fetal development: Species: rat Application Route: Inhalation Dose: 2653, 7960, 23900 mg/m³ Duration of Single Treatment: 6 h Frequency of Treatment: 7 days/week General Toxicity Maternal: NOAEL: 23,900 mg/m³ Embryo-fetal toxicity: NOAEL: 23,900 mg/m³ Symptoms: No malformations were observed. Method: OECD Test Guideline 414 GLP: yes
damage/eye irritation irritating to eyes GLP: yes Remarks: No eye irritation Skin Species: rabbit Exposure time: 4 h Classification: Irritating to skin Result: Irritating to skin GLP: yes STOT - repeated exposure STOT - single exposure Exposure routes: Inhalation Target Organs: Central nervous system Assessment: May cause drowsiness or dizziness. Xylene(1330-20-7)	sensitization	Result: Did not cause sensitization on laboratory animals. GLP: yes Remarks: not sensitizing.
corrosion/irritation GLP: yes STOT - repeated exposure STOT - single exposure Exposure routes: Inhalation Target Organs: Central nervous system Assessment: May cause drowsiness or dizziness. Xylene(1330-20-7)	damage/eye irritation	irritating to eyes GLP: yes Remarks: No eye irritation
exposure STOT - single exposure Exposure routes: Inhalation Target Organs: Central nervous system Assessment: May cause drowsiness or dizziness. Xylene(1330-20-7)	corrosion/irritation	GLP: yes
STOT - single exposure Exposure routes: Inhalation Target Organs: Central nervous system Assessment: May cause drowsiness or dizziness. Xylene(1330-20-7)	I -	No data available.
	STOT - single exposure	, , , , , , , , , , , , , , , , , , , ,
		Acute toxicity estimate: 1,100 mg/kg Method: Expert judgment.



Acute inhalation	Acute toxicity estimate, 4631 ppm Exposure time, 4 h Test atmosphere: gas Method;	
toxicity	Calculation method.	
Acute toxicity Product	Acute oral toxicity: Acute toxicity estimate: 3,523 mg/kg Method: Calculation method.	
Aspiration Toxicity	May be fatal if swallowed and enters airways.	
Carcinogenicity	Species: mouse, (male and female) Application Route: Oral Exposure time: 103 wk Dose: 0, 500 or 1000 mg/kg Frequency of Treatment: 5 days/week Method: Directive 67/548/EEC, Annex V, B.32. Result: did not display carcinogenic properties GLP: No data available, Carcinogenicity - Assessment: Animal testing did not show any carcinogenic effects.	
Germ cell mutagenicity	Test Type: Chromosome aberration test in virto. Test Species: Chinese hamster ovary (CHO) Metabolic Activation: With and without metabolic activation. Method Mutagenicity (in vitro mammalian cytogenetic test) Result: Negative. Test Type: Sistrer chromatic exchange assay in mammalian cells.	
Germ cell mutagenicity Assessment	Animal testing did not show any mutagenic effects.	
LC50 (rat, male) Inhalation	6700 ppm Exposure time: 4 h Method: Directive 67/548/EEC, Annex V, B.2. GLP: No data available Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation. Remarks: Acutely Toxic Category 4	
LC50 (rat, male) Oral	3,523 mg/kg Method: EU Method B.1 (Acute Toxicity, Oral) Target Organs: Kidney, Bladder GLP: no	
Repeated dose toxicity	Species: rat, male and female NOAEL: 250 mg/kg Application Route: Oral Exposure time: 103 wk Number of exposures: 5 d/wk Dose: 0, 250 or 500 mg/kg Assessment: The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.	
Reproductive toxicity	Effects on fertility: Test Type: Two-generation study Species: rat, male and female Application Route: Inhalation Dose: 0, 25, 100 and 500 ppm Duration of Single Treatment: 6 h Frequency of Treatment: 7 days/week General Toxicity - Parent: NOAEC: > 500 ppm General Toxicity F1: NOAEC: > 500 ppm Early Embryonic Development: NOAEC: > 500 ppm Result: No reproductive effects. Effects on fetal development: Species: rat Application Route: Inhalation Dose: 0, 100, 500, 1000 or 2000 ppm Duration of Single Treatment: 14 d Frequency of Treatment: 6 hr/day General Toxicity Maternal: NOAEC: 500 ppm Teratogenicity: NOAEC: > 2,000 Developmental Toxicity: NOAEC: 100 ppm Result: No teratogenic effects., Developmental toxicity occurred at maternal toxicity dose levels Reproductive toxicity - Assessment: Animal testing did not show any effects on fertility. Damage to fetus not classifiable	
Respiratory or skin sensitization	Remarks: No data available	
Serious eye damage/eye irritation	Species: rabbit Result: Mild eye irritation	
Skin corrosion/irritation	Species: rabbit Exposure time: 24 h Result: Irritating to skin Remarks: Skin irritation, Category 2	
STOT - repeated exposure	Target Organs: Liver, Kidney, Central nervous system Assessment: May cause damage to organs through prolonged or repeated exposure.	

12. ECOLOGICAL INFORMATION

Aluminum Hydroxide(21	645-51-2)
Bioaccumulative	Inert material.
potential	There indeed an
EC50 - Daphnia -	>10,000 mg/l, Daphnia magna (Water flea) (OECD Test Guideline 202)
Toxicity to daphnia and	210,000 High, Daphilla Hagha (Water Hea) (OLOD Fest Guideline 202)
other aquatic	
invertebrates	
EC50 - Fish - Toxicity	>10,000 mg/l, Fish
to fish	
Mobility in soil	Inert material.
NOEC - Toxicity to	>0.004 mg/l, 72 h, Pseudokirchneriella subcapitata (algae) - (OECD Test Guideline 201)
algae	
Other adverse effects	None known.
Persistence and	Non-degradable
degradability	
Amorphous Silica(7631-	86-9)
Additional ecological	General notes: Do not allow product to reach ground water, water course or sewage system.
information	
Bioaccumulative	No further relevant information available.
potential	
EC50 - Algae	>10000 mg/l (Scenedesmus subspicatus) (72 h) (OCED 201) comparable substance
EC50 - Daphnia magna	>1000 mg/l (Daphnia magna) (24 h) (OCED 202)
LCO - Zebra fish	10000 mg/l (zebra fish) (96 h) (static) (OCED203)



Mobility in soil	No further relevant information available.
Persistence and	The product is chemically and biologically inert. By the insolubility in water there is a
degrability	separation at every filtration and sedimentation process.
BENZENE(71-43-2)	
Additional ecological	Toxic to aquatic life. An environmental hazard cannot be excluded in the event of
information	unprofessional handling or disposal. Toxic to aquatic life.
EC50	10 mg/l Exposure time: 48 h Species: Daphnia magna (Water flea) static test substance: yes Method: OECD Test Guideline 202
Ecotoxicology	Acute aquatic toxicity Benzene : Toxic to aquatic life. Chronic aquatic toxicity Benzene :
Assessment F-CE0	Harmful to aquatic life with long lasting effects.
ErC50	100 mg/l Exposure time: 72 h Species: Pseudokirchneriella subcapitata (green algae) Test substance: yes Method: OECD Test Guideline 201
LC50	5.3 mg/l Exposure time: 96 h Species: Oncorhynchus mykiss (rainbow trout) flow-through test substance: yes Method: OECD Test Guideline 203
Persistence and	Biodegradability: This material is expected to be readily biodegradable.
degradability	
Results of PBT	This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB).
assessment Carbon Black(1333-86-4	
Behavior in water	Activated sludge, EC0 (3 h) > 800 mg/L. DEV L3 (TTC test)
treatment plants	
Bioaccumulation Potential	Potential bioaccumulation is not expected because of the physicochemical properties of the substance
EC50 (Scenedesmus subspicatus)	> 10,000 mg/L, OECD (Guideline 201)
EC50 Daphnia magna (waterflea)	>5600 mg/l (24 h) OECD (Guideline 202)
Environmental fate	Carbon black is an inert solid, stable and insoluble in water or organic solvents. Its vapour
	pressure is negligible. Based on these properties it is expected that carbon black will not occur
	in air or water in relevant amounts. Also potential for distribution via water or air can be
	dismissed. The deposition in soil or sediments is therefore the most relevant compartment of
LCEO Dua de idania maia	fate in the environment.
LC50 Brachydanio reio (zebrafish)	>1000 mg/l (96 h) OECD (Guideline 203)
NOEC 50	> 10,000 mg/L, OECD (Guideline 201)
(Scenedesmus	7 10/000 mg/ E/ 0205 (Oddomic 201)
subspicatus)	
Ethylene glycol mono bu	utyl ether(111-76-2)
Bioaccumulative potential	Partition coefficient: n-octanol/water: log Pow: 0.83
EC50 (Algae)	911 mg/l End point: Biomass Exposure time: 72 h Test Type: static test Analytical monitoring: yes Method: OECD Test Guideline 201 GLP: no
EC50 (Daphnia)	1,800 mg/l(48 h; Daphnia magna (Water flea)): Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202 GLP: no
LC50 (fish)	1,474 mg/l Pimephales promelas (Fathead minnow))Exposure time: 96 h Test Type: static test, Method: OECD Test Guideline 203 GLP: no
Mobility in soil	No data available
Other adverse effects	No data available
Donaiate:	novehic Traculum, Activated cludge, democtic adaption and an affind Desults Desults
Persistence and degradability	aerobic Inoculum: Activated sludge, domestic, adaption not specified, Result: Readily biodegradable. Biodegradation: 90.4 % Exposure time: 28 d Method: OECD Test Guideline
	biodegradable. Biodegradation: 90.4 % Exposure time: 28 d Method: OECD Test Guideline 301B GLP: no Regulation: 40CFR Protection of Environment, Part 82 Protection of Stratospheric Ozone - CAA
degradability Product	biodegradable. Biodegradation: 90.4 % Exposure time: 28 d Method: OECD Test Guideline 301B GLP: no Regulation: 40CFR Protection of Environment, Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class 1 Substances:
degradability Product Isobutyl Acetate(110-19	biodegradable. Biodegradation: 90.4 % Exposure time: 28 d Method: OECD Test Guideline 301B GLP: no Regulation: 40CFR Protection of Environment, Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class 1 Substances:
Product Isobutyl Acetate(110-19 Bioaccumulative potential Product	biodegradable. Biodegradation: 90.4 % Exposure time: 28 d Method: OECD Test Guideline 301B GLP: no Regulation: 40CFR Protection of Environment, Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class 1 Substances: 9-0) No data available.
degradability Product Isobutyl Acetate(110-19 Bioaccumulative potential Product Biological Oxygen Demand	biodegradable. Biodegradation: 90.4 % Exposure time: 28 d Method: OECD Test Guideline 301B GLP: no Regulation: 40CFR Protection of Environment, Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class 1 Substances: 0-0) No data available. BOD-5: 970 mg/g BOD-20: 1,300 mg/g
degradability Product Isobutyl Acetate(110-19 Bioaccumulative potential Product Biological Oxygen Demand BOD/COD ratio	biodegradable. Biodegradation: 90.4 % Exposure time: 28 d Method: OECD Test Guideline 301B GLP: no Regulation: 40CFR Protection of Environment, Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class 1 Substances: 0-0) No data available. BOD-5: 970 mg/g BOD-20: 1,300 mg/g 0.52 %
degradability Product Isobutyl Acetate(110-19 Bioaccumulative potential Product Biological Oxygen Demand BOD/COD ratio Chemical Oxygen	biodegradable. Biodegradation: 90.4 % Exposure time: 28 d Method: OECD Test Guideline 301B GLP: no Regulation: 40CFR Protection of Environment, Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class 1 Substances: 0-0) No data available. BOD-5: 970 mg/g BOD-20: 1,300 mg/g
degradability Product Isobutyl Acetate(110-19 Bioaccumulative potential Product Biological Oxygen Demand BOD/COD ratio Chemical Oxygen Demand	biodegradable. Biodegradation: 90.4 % Exposure time: 28 d Method: OECD Test Guideline 301B GLP: no Regulation: 40CFR Protection of Environment, Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class 1 Substances: 9-0) No data available. BOD-5: 970 mg/g BOD-20: 1,300 mg/g 0.52 % 1,870 mg/g
degradability Product Isobutyl Acetate(110-19 Bioaccumulative potential Product Biological Oxygen Demand BOD/COD ratio Chemical Oxygen Demand EC50 (Alga)	biodegradable. Biodegradation: 90.4 % Exposure time: 28 d Method: OECD Test Guideline 301B GLP: no Regulation: 40CFR Protection of Environment, Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class 1 Substances: -0) No data available. BOD-5: 970 mg/g BOD-20: 1,300 mg/g 0.52 % 1,870 mg/g 370 mg/l, (72 h, (Alga))
degradability Product Isobutyl Acetate(110-19 Bioaccumulative potential Product Biological Oxygen Demand BOD/COD ratio Chemical Oxygen Demand	biodegradable. Biodegradation: 90.4 % Exposure time: 28 d Method: OECD Test Guideline 301B GLP: no Regulation: 40CFR Protection of Environment, Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class 1 Substances: -0) No data available. BOD-5: 970 mg/g BOD-20: 1,300 mg/g 0.52 % 1,870 mg/g 370 mg/l, (72 h, (Alga)) 28.2 mg/l, (48 h, (Daphnia)) 22.4 mg/l, (96 h, (Fathead minnow))
degradability Product Isobutyl Acetate(110-19 Bioaccumulative potential Product Biological Oxygen Demand BOD/COD ratio Chemical Oxygen Demand EC50 (Alga) EC50 (Daphnia)	biodegradable. Biodegradation: 90.4 % Exposure time: 28 d Method: OECD Test Guideline 301B GLP: no Regulation: 40CFR Protection of Environment, Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class 1 Substances: -0) No data available. BOD-5: 970 mg/g BOD-20: 1,300 mg/g 0.52 % 1,870 mg/g 370 mg/l, (72 h, (Alga)) 28.2 mg/l, (48 h, (Daphnia)) 22.4 mg/l, (96 h, (Fathead minnow)) Known or predicted distribution to environmental compartments isobutyl acetate 1.193 -
degradability Product Isobutyl Acetate(110-19 Bioaccumulative potential Product Biological Oxygen Demand BOD/COD ratio Chemical Oxygen Demand EC50 (Alga) EC50 (Daphnia) LC50 (Fish)	biodegradable. Biodegradation: 90.4 % Exposure time: 28 d Method: OECD Test Guideline 301B GLP: no Regulation: 40CFR Protection of Environment, Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class 1 Substances: -0) No data available. BOD-5: 970 mg/g BOD-20: 1,300 mg/g 0.52 % 1,870 mg/g 370 mg/l, (72 h, (Alga)) 28.2 mg/l, (48 h, (Daphnia)) 22.4 mg/l, (96 h, (Fathead minnow))



Persistence and	81 % (20 d, Ready Biodegradability: Closed Bottle Test) Readily biodegradable
degradability	Nat 6 (6) line DDT (a societant/his a societan
Results of PBT and vPvB assessment	Not fulfilling PBT (persistent/bioaccumulative/toxic) criteria Not fulfilling vPvB (very persistent, very bioaccumulative) criteria
Isopropyl Alcohol(67-63	
Bioaccumulative	Bioaccumulation: Bioconcentration factor (BCF): 3.16 this material is not expected to
potential	bioaccumulate.
Ecotoxicology	Acute aquatic toxicity: Based on acute aquatic toxicity values, not classified. Chronic aquatic
Assessment	toxicity: Not classified, based on readily biodegradability and low acute toxicity.
Mobility in soil	Distribution among environmental compartments: Stability in water initially partitioning
	mainly to water and air. Stability in soil Volatilization from water or soil surfaces is expected to be limited. Additional advice Environmental fate and pathways: No additional information
	available.
Other adverse effects	No additional information available.
Additional ecological	
information	
Persistence and	Biodegradability: 86 - 94 % Rapidly degradable. (After two weeks in a ready biodegradability
degradability Results of PBT and	test) Not applicable.
vPvB assessment	NOT applicable.
Toxicity to algae	Acute toxicity to aquatic plants very low.
Toxicity to bacteria	Low toxicity to sewage microbes.
Toxicity to daphnia and	Acute toxicity to freshwater and marine invertebrates is very low.
other aquatic	
invertebrates	Chuania havisibu ayyaabad ka ha layy
Toxicity to daphnia and other aquatic	Chronic toxicity expected to be low.
invertebrates (Chronic	
toxicity)	
Toxicity to fish	Acute toxicity to fish is very low.
Toxicity to fish	Chronic toxicity to fish is expected to be low.
(Chronic toxicity)	
Meta-Xylene(108-38-3)	Destruite the the transfer of the control of the co
Bioaccumulative potential	Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.
LC50 (Fish)	11.23 mg/l - 96 h (OECD Test Guideline 203)
Mobility in soil	No data available.
Other adverse effects	An environmental hazard cannot be excluded in the event of unprofessional handling or
	disposal. Harmful to aquatic life with long lasting effects.
Persistence and	No data available.
degradability Results of PBT and	PBT/vPvB assessment not available as chemical safety assessment not required/not
vPvB assessment	conducted.
Toxicity to algae	Remarks: No data available
Toxicity to daphnia and	Remarks: No data available.
other aquatic	
invertebrates	
Methyl Ethyl Ketone(78-	93-3) Partition coefficient: n-octanol/water: log Pow: 2.49
Bioaccumulative potential	ration coemcient. In-octanor/water. 10g Pow. 2.49
EC50 (Algae)	2029 mg/l (48 h; Pseudokirchneriella subcapitata (Green Algae))
EC50 (Daphnia)	308 mg/l (48 h; Daphnia magna (Water flea))
LC50 (fish)	2993 mg/l (96 h; Pimephales promelas (Fathead minnow))
Mobility in soil	No data available
Other adverse effects	No data available
Persistence and	Biodegradability: Concentration: 2mg/l; Result: Readily biodegradation: 98%; Exposure 28 d;
degradability Product	Regulation: 40CFR Protection of Environment, Part 82 Protection of Stratospheric Ozone - CAA
Froduct	Section 602 Class 1 Substances:
O-Xylene(95-47-6)	
Bioaccumulative	No data available.
potential	
LC50 - Lepomis	16.10 mg/l, 96 h, Lepomis macrochirus (Bluegill)
macrochirus - Toxicity	No data available
Mobility in soil Other adverse effects	No data available. An environmental hazard cannot be excluded in the event of unprofessional handling or
other adverse effects	disposal. Harmful to aquatic life with long lasting effects.
Persistence and	Biodegradability aerobic - Exposure time 28 d Result: 69.67 % - Not readily biodegradable.
degradability	(OECD Test Guideline 301F) Remarks: The 10 day time window criterion is not fulfilled.



Results of PBT and	PBT/vPvB assessment not available as chemical safety assessment not required/not
vPvB assessment	conducted
Para-Xylene(106-42-3)	
Bioaccumulative potential	No data available.
EC50 - Daphnia magna	35.50 - 63.10 mg/l - 48 h, Daphnia magna (Water flea)
- Toxicity to daphnia	33.30 - 63.10 Hight - 46 H, Daphilla Hiagha (Water Hea)
and other aquatic	
invertebrates	
EC50 -	3.20 - 4040 mg/l - 72 h, Pseudokirchneriella subcapitata (green algae)
Pseudokirchneriella	
subcapitata - Toxicity	
to algae	
LC50 - Carassius	18.00 mg/l - 24 h, Carassius auratus (goldfish)
auratus - Toxicity to	
fish	
LC50 - Oncorhynchus	2.60 mg/l - 96 h, Oncorhynchus mykiss (rainbow trout)
mykiss - Toxicity to	
fish	No determination
Mobility in soil Other adverse effects	No data available. An environmental hazard cannot be excluded in the event of unprofessional handling or
Other adverse effects	disposal. Toxic to aquatic life.
Persistence and	Biodegradability Result: 87.8 % - Readily biodegradable
degradability	Diodegradability Nesalit. 07.0 70 Nedality blodegradable
Results of PBT and	PBT/vPvB assessment not available as chemical safety assessment not required/not
vPvB assessment	conducted
Phenylethane(100-41-4)	
Bioaccumulative	Partition coefficient: noctanol/water : log Pow: 2.92
potential	
EC50 (Daphnia magna	1.8 mg/l Exposure time: 48 h Test Type: static test
(Water flea))	
EC50	5.4 mg/l Exposure time: 72 h Test Type: static test Analytical monitoring: yes Method: Static
(Pseudokirchneriella subcapitata)	GLP: yes
LC50 (Oncorhynchus	4.2 mg/l Exposure time: 96 h Test Type: semi-static test
mykiss (rainbow	1.2 mg/r Exposure time. For rest rype, serial state test
trout))	
Mobility in soil	No data available.
Other adverse effects	Results of PBT and vPvB assessment : This substance is not considered to be persistent,
	bioaccumulating nor toxic (PBT). This substance is not considered to be very persistent nor
	very bioaccumulating (vPvB).
Persistence and	Biodegradability: Inoculum: activated sludge Concentration: 22 mg/l Result: Readily
degradability	biodegradable. Biodegradation: 70 % Exposure time: 28 d GLP: yes
Toxicity to daphnia and	(Daphnia): 3.6 mg/l Toxicity to bacteria : GLP: Remarks: No data available Ecotoxicology
other aquatic invertebrates (Chronic	Assessment Chronic aquatic toxicity: Harmful to aquatic life with long lasting effects.
toxicity)	
Titanium Dioxide(13463	-67-7)
LC50 fish	Fathead minnow 96 h >1000 mg/l
Toluene(108-88-3)	1 - 20022
Bioaccumulative	Partition coefficient: noctanol/water : log Pow: 2.73
potential	
EC50 (Ceriodaphnia	3.78 mg/l Exposure time: 48 h Test Type: Renewal
dubia)	
EC50 (Chlorella	134 mg/l Exposure time: 3 h Test Type: static test
vulgaris (Fresh water	
algae))	04 mg/l Europuwa timo. 24 h. Toet Timo. Chatic Esstadiada au Assassant Asida a sala
IC50 (Bacteria)	84 mg/l Exposure time: 24 h, Test Type: Static Ecotoxicology Assessment Acute aquatic
	toxicity: Toxic to aquatic life. Chronic aquatic toxicity: Toxic to aquatic life with long lasting effects.
LC50 (Oncorhynchus	5.5 mg/l Exposure time: 96 h Test Type: flow-through test
mykiss (rainbow	1 3.5 mg/r Exposure time. So it rest type, now tillough test
trout))	
Mobility in soil	No data available.
Other adverse effects	No data available.
Persistence and	Biodegradability: Inoculum: Sewage Biodegradation: 100 % Remarks: Readily biodegradable
degradability	
VM&P Naphtha(64742-8	

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Bioaccumulative potential	Partition coefficient: noctanol/water: log POW: 2.13 - 4.85 (25 °C)
EL50 (Daphnia magna	4.5 mg/l Exposure time: 48 h Test Type: Immobilization Analytical monitoring: yes Test
(Water flea))	substance: Naphtha GLP: yes
EL50	3.7 mg/l Exposure time: 96 h Test Type: static test Analytical monitoring: yes GLP: yes.
(Pseudokirchneriella	Ecotoxicology Assessment Acute aquatic toxicity: Harmful to aquatic organisms.
subcapitata (green	
algae))	
LL50 (Fish)	8.2 mg/l Exposure time: 96 h Test Type: semi-static test Analytical monitoring: yes GLP: yes
Mobility in soil	No data available.
Other adverse effects	No data available.
Persistence and	Biodegradability: Concentration: 49.2 mg/l Result: Readily biodegradable. Biodegradation:
degradability	77 % Testing period: 2 d Exposure time: 28 d GLP: yes
Xylene(1330-20-7)	
Bioaccumulative	Partition coefficient: noctanol/water : log Pow: 2.77 - 3.15
potential	
EC50	4.36 mg/l End point: Growth rate Exposure time: 73 h Test Type: static test Analytical
(Pseudokirchneriella	monitoring: yes
subcapitata)	
IC50 (Daphnia magna	1 mg/l Exposure time: 24 h Test Type: static test Test substance: Information given is based
(Water flea))	on data obtained from similar substances. Method: OECD Test Guideline 202 GLP
LC50 (Oncorhynchus	2.6 mg/l Exposure time: 96 h Test substance: Information given is based on data obtained
mykiss (rainbow	from similar substances. Method: OECD Test Guideline 203 GLP: No data available
trout))	
Mobility in soil	No data available.
Persistence and	Biodegradability: Inoculum: activated sludge Result: Readily biodegradable. Biodegradation:
degradability	72 % Exposure time: 20 d

13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

GENERAL INFORMATION: No data available.

DISPOSAL METHOD: Dispose of waste and residues in accordance with Local, State, and Federal Regulations. Mix with compatible chemical which is less flammable and incenerate. Since emptied containers retain product residue, follow label warnings even after container is emptied. Residual vapors may explode on ignition; do not cut, drill, grind or weld or near this container.

14. TRANSPORT INFORMATION

*CHECK WITH YOUR CARRIER FOR ADDITIONAL RESTRICTIONS THAT MAY APPLY.

USDOT GROUND
DOT (DEPARTMENT OF TRANSPORTATION)
PROPER SHIPPING NAME (DOT): Paint
HAZARDS CLASS: 3

HAZARDS CLASS: 3 UN/NA NUMBER: UN1263 PACKING GROUP: PG II

EMERGENCY RESPONSE GUIDE (ERG): 128

IATA (AIR)

DOT (INTERNATIONAL AIR TRANSPORTATION ASSOCIATION)

PROPER SHIPPING NAME : Paint

HAZARDS CLASS: 3 UN/NA NUMBER: UN1263 PACKING GROUP: PG II

EMERGENCY RESPONSE GUIDE (ERG): 128

IMDG (OCEAN)

PROPER SHIPPING NAME: Paint

HAZARDS CLASS: 3 UN/NA NUMBER: UN1263 PACKING GROUP: PG II

EMERGENCY RESPONSE GUIDE (ERG): 128

MARINE POLLUTANT: No

SPECIAL PRECAUTIONS: P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. P235 Keep cool.



15. REGULATORY INFORMATION

US FEDERAL REGULATIONS
All ingredients in Section #3 are TSCA (Toxic Substance Control Act) listed.

OSHA HAZARDS : Flammable liquid, Moderate skin irritant, Moderate eye irritant, Carcinogen. **EPCRA - Emergency CERCLA REPORTABLE QUANTITY**

This product contains:	Chemical CAS#
VM&P Naphtha	64742-89-8
Methyl Ethyl Ketone	78-93-3
Phenylethane	100-41-4
Xylene	1330-20-7
Ethylene glycol mono butyl ether	111-76-2
Carbon Black	1333-86-4

SARA 304 Extremely Hazardous Substances Reportable Quantity: This material does not contain any components with a section 304 EHS RQ.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

SARA 311/312 Hazards: Fire Hazard, Acute Health Hazard, Chronic Health Hazard

SARA 313:

This product contains:	Chemical CAS#
Isobutyl Acetate	110-19-0
VM&P Naphtha	64742-89-8
Isopropyl Alcohol	67-63-0
Methyl Ethyl Ketone	78-93-3
Meta-Xylene	108-38-3
Phenylethane	100-41-4

CLEAN AIR ACT:

This product contains:	Chemical CAS#
Meta-Xylene	108-38-3
Phenylethane	100-41-4
Para-Xylene	106-42-3
O-Xylene	95-47-6
Benzene	71-43-2
Toluene	108-88-3

INTERNATIONAL REGULATIONS

CLASSIFICATION ACCORDING TO REGULATION (EC) No. 1272/2008 (CLP):

Flam. Liq. Cat 2; H226 Aspir. Haz. Cat. 1; H304 Acute Tox. Cat. 4; H312 Skin Irrit. Cat. 2; H315 Eye Irrit. Cat. 2A; H319 STOT SE Resp. Cat. 3; H335 STOT SE, Inhalation, Cat. 3; H336 Carc. 2; H351 STOT RE Cat.2; H373 Aquatic Acute 2; H401 Aquatic Tox. 3; Cat. 3; H402 Aquatic Chronic 3; H412



NATIONAL REGULATIONS

This product contains:	Chemical CAS#
~Titanium Dioxide	13463-67-7
~Phenylethane	100-41-4
~Carbon Black	1333-86-4

IARC KEY

 \sim Indicates a chemical listed by IARC as a possible carcinogen.

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STATE REGULATIONS

CALIFORNIA PROPOSITION 65

This product contains:	Chemical CAS#
*Phenylethane	100-41-4
#Benzene	71-43-2
+Toluene	108-88-3

PROPOSTION 65 KEY



* **WARNING** Cancer – <u>www P65Warnings.ca.gov</u>



MARNING Reproductive Harm – www P65Warnings.ca.gov



+ MARNING Cancer and Reproductive Harm – www P65Warnings.ca.gov

Massachusetts Right to Know

This product contains	Chemical CAS#
Methyl Ethyl Ketone	78-93-3
Phenylethane	100-41-4
Xylene	1330-20-7
Para-Xylene	106-42-3
O-Xylene	95-47-6
Ethylene glycol mono butyl ether	111-76-2
Carbon Black	1333-86-4
Benzene	71-43-2

Pennsylvania Right to Know

This product contains	Chemical CAS#
Titanium Dioxide	13463-67-7
Methyl Ethyl Ketone	78-93-3
Phenylethane	100-41-4
Xylene	1330-20-7
Amorphous Silica	7631-86-9
Para-Xylene	106-42-3
O-Xylene	95-47-6
Aluminum Hydroxide	21645-51-2
Ethylene glycol mono butyl ether	111-76-2
Carbon Black	1333-86-4
Toluene	108-88-3

New Jersey Right to Know



This product contains	Chemical CAS#
Titanium Dioxide	13463-67-7
Methyl Ethyl Ketone	78-93-3
Phenylethane	100-41-4
Xylene	1330-20-7
Amorphous Silica	7631-86-9
Para-Xylene	106-42-3
O-Xylene	95-47-6
Aluminum Hydroxide	21645-51-2
Ethylene glycol mono butyl ether	111-76-2
Carbon Black	1333-86-4

16. OTHER INFORMATION

Other Product Information

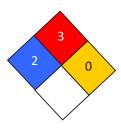
% Volatile by Volume: 76.22 % Volatile by Weight: 60.91 % Solids by volume: 23.78 % Solids by Weight: 39.09 % Exempt by Volume: 0.00 % Exempt by Weight: 0.00

VOC CONTENT: Excluding Exempt VOC: 616 Including Exempt VOC: 616

HMIS RATING

Health :	2*
Flammability :	3
Reactivity:	0
Personal Protection :	Н

NFPA CODES



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