

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Version: 1.3
Revision Date: 8/7/2020

Product Brand Name: Silicone Primer
Other Names/Synonyms: Cat. No. S1L2100
Recommended Use: Adhesive, binding agents
Uses advised against: No information available

Company Contact Information

C. R. Laurence Co., Inc.
2503 E. Vernon Ave.
Los Angeles, CA 90058
Telephone: 800-421-6144

Emergency Telephone Number

CHEMTREC: 1-800-424-9300 (24 hours) or 1-703-527-3887

2. HAZARDS IDENTIFICATION



Signal Word: Danger

Flammable Liquids: Category 3

Skin Irritation: Category 2

Serious Eye Damage: Category 1

Hazard Statements: Flammable liquid and vapor; Causes skin irritation; Causes serious eye damage

Precautionary Statements: Use explosion-proof electrical/ ventilating/ lighting/ equipment; Use only non-sparking tools; Take precautionary measures against static discharge; Wash skin thoroughly after handling; Wear protective gloves/ eye protection/ face protection; Keep away from heat/sparks/open flames/hot surfaces. - No smoking; Keep container tightly closed; Ground/bond container and receiving equipment.

Fire and Explosion: Vapors may form explosive mixture with air

Appearance: Colorless

Physical State: Liquid

2. HAZARDS IDENTIFICATION (CONT.)

Odor: Slight

Skin

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower; If skin irritation occurs: Get medical advice/ attention;

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance: Mixture

Chemical Nature: Inorganic and organic compounds

| Chemical Name | CAS# | Concentration (%) |
|--|------------|-------------------|
| Octamethyltrisiloxane | 107-51-7 | 70 – 90 |
| Tetrakis (2-butoxyethyl) orthosilicate | 18765-38-3 | 5 – 10 |
| Titanium tetrabutanolate | 5593-70-4 | 5 – 10 |

4. FIRST AID MEASURES

General Advice: In the case of an accident or if you feel unwell, seek medical advice immediately; When symptoms persist or in all cases of doubt seek medical advice.

Eye Contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Get medical attention immediately.

Skin Contact

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Inhalation

Remove to fresh air. Get medical attention if symptoms occur.

Ingestion

If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.

4. FIRST AID MEASURES (CONT.)

Most important symptoms and effects, both acute and delayed

Causes skin irritation; Causes serious eye damage.

Protection of first-aiders

First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists.

Notes to physician

Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Alcohol resistant foam, dry chemical, carbon dioxide or water spray

Unsuitable Extinguishing Media

High volume water jet

Hazardous combustion products

Carbon oxides; Silicon oxides; Formaldehyde; Metal oxides

Specific extinguishing methods

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.

Specific hazards during fire fighting

Do not use a solid water stream as it may scatter and spread fire; Flash back possible over considerable distance; Vapors may form explosive mixtures with air; Fire burns more vigorously than would be expected; Exposure to combustion products may be a hazard to health.

Special protective equipment for fire-fighters

In the event of fire, wear self-contained breathing apparatus; Use PPE

6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.

Environmental precautions

Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages

6: ACCIDENTAL RELEASE MEASURES (CONT.)

cannot be contained.

Methods and materials for containment and cleaning up

Non-sparking tools should be used. Soak up with inert absorbent material. Suppress (knock down) gases/vapors/mists with a water spray jet. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide in

7: HANDLING AND STORAGE

Technical measures

Ensure all equipment is electrically grounded before beginning transfer operations. This material can accumulate static charge due to its inherent physical properties and can therefore cause an electrical ignition source to vapors. In order to prevent a fire hazard, as bonding and grounding may be insufficient to remove static electricity, it is necessary to provide an inert gas purge before beginning transfer operations. Restrict flow velocity in order to reduce the accumulation of static electricity.

Local/Total ventilation

Use with local exhaust ventilation. Use only in an area equipped with explosion proof exhaust ventilation.

Advice on safe handling

Do not get on skin or clothing. Do not breathe vapors or spray mist. Do not swallow. Do not get in eyes. Handle in accordance with good industrial hygiene and safety practice. Non-sparking tools should be used. Keep container tightly closed. Keep away from water. Protect from moisture. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Take care to prevent spills, waste and minimize release to the environment.

Conditions for safe storage

Keep in properly labeled containers. Keep tightly closed. Keep in a cool, well-ventilated place. Store in accordance with the particular national regulations. Keep away from heat and sources of ignition.

Materials to avoid

Do not store with the following product types: Strong oxidizing agents Organic peroxides Flammable solids Pyrophoric liquids Pyrophoric solids Self-heating substances and mixtures Substances and mixtures which in contact with water emit flammable gases Explosives

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

| Ingredients | CAS# | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
|-----------------------|----------|-------------------------------|--|-----------|
| Octamethyltrisiloxane | 107-51-7 | TWA | 200 ppm | DCC OEL |
| 2-Butoxyethanol | 111-76-2 | TWA | 20 ppm | ACGIH |
| | | TWA | 5 ppm 24 mg/m ³ | NIOSH REL |
| | | TWA | 50 ppm 240mg/m ³ | OSHA Z-1 |

Occupational exposure limits of decomposition products

| Ingredients | CAS# | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
|-----------------|----------|-------------------------------|--|-----------|
| Propan-1-ol | 71-23-8 | TWA | 100 ppm | ACGIH |
| | | TWA | 200 ppm 500 mg/m ³ | NIOSH REL |
| | | ST | 250 ppm 625 mg/m ³ | NIOSH REL |
| | | TWA | 200 ppm 500 mg/m ³ | OSHA Z-1 |
| 2-Butoxyethanol | 111-76-2 | TWA | 20 ppm | ACGIH |
| | | TWA | 5 ppm 24 mg/m ³ | NIOSH REL |
| | | TWA | 50 ppm 240mg/m ³ | OSHA Z-1 |

8: EXPOSURE CONTROLS/PERSONAL PROTECTION (CONT.)

| | | | | |
|------------|---------|-----|----------------------------------|-----------|
| Butan-1-ol | 71-36-3 | TWA | 20 ppm | ACGIH |
| | | C | 50 ppm 150 mg/m ³ | NIOSH REL |
| | | TWA | 100 ppm 300 mg/m ³ | OSHA Z-1 |

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits Immediately Dangerous to Life or Health

Engineering measures

Processing may form hazardous compounds (see section 10). Minimize workplace exposure concentrations. Use only in an area equipped with explosion proof exhaust ventilation. Use with local exhaust ventilation.

Personal protective equipment

Respiratory protection

General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Hand protection Material

Antistatic gloves; Impervious gloves; Flame retardant gloves

Remarks

Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.

Eye protection

Wear the following personal protective equipment: Chemical resistant goggles must be worn. If splashes are likely to occur, wear: Face-shield

Skin and body protection

Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential. Wear the following personal protective equipment: Flame retardant

8: EXPOSURE CONTROLS/PERSONAL PROTECTION (CONT.)

antistatic protective clothing. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).

Hygiene measures

Ensure that eye flushing systems and safety showers are located close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use. These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

9: PHYSICAL & CHEMICAL PROPERTIES

Physical Form: Liquid
 Color: Colorless
 Odor: Slight
 Odor Threshold: No information available
 Appearance: Liquid

| <u>Property</u> | <u>Values</u> | <u>Remarks Method</u> |
|--|-------------------|-----------------------|
| pH | UNKNOWN | None known |
| Melting / freezing point | No data available | None known |
| Boiling point / boiling range | >100°C | None known |
| Flash Point | 27°C | Closed cup method |
| Evaporation Rate | No data available | None known |
| Flammability (solid, gas) | No data available | None known |
| Flammability Limit in Air | | |
| Upper flammability limit | No data available | |
| Lower flammability limit | No data available | |
| Viscosity | 1 cSt | None known |
| Relative density | 0.82 | None known |
| Water Solubility | Not soluble | None known |
| Solubility in other solvents | No data available | None known |
| Partition coefficient: n-octanol/water | No data available | None known |
| Autoignition temperature | No data available | None known |
| Decomposition temperature | No data available | None known |
| Kinematic viscosity | No data available | None known |
| Dynamic viscosity | No data available | None known |
| Explosive properties | Non explosive | |
| Oxidizing Properties | Non oxidizing | |

Other Information

| | |
|----------------------------|-------------------|
| Softening Point | No data available |
| VOC Content (g/L) | 76 |
| Particle Size | No data available |
| Particle Size Distribution | No data available |

10: STABILITY AND REACTIVITY

Reactivity

Not classified as a reactivity hazard

Chemical stability

Stable under recommended storage conditions

Possibility of Hazardous Reactions

Flammable liquid and vapor; Vapors may form explosive mixture with air; Use as elevated temperatures may form highly hazardous compounds; Can react with strong oxidizing agents; Hazardous decomposition products will be formed upon contact with water or humid air; Hazardous decomposition products will be formed at elevated temperatures.

Conditions to avoid

Exposure to air or moisture until ready to use; Handling operations that can promote accumulation of static charges; Heat, flames and sparks

Incompatible materials

Water or oxidizing agents

Hazardous Decomposition Products

Contact with water or humidity: Propan-1-ol
2-Butoxyethanol
Buta-1-ol

Thermal decomposition: Formaldehyde

11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation
Skin contact
Ingestion
Eye contact

Acute toxicity

Not classified based on available information.

11: TOXICOLOGICAL INFORMATION (CONT.)**Ingredients****Octamethyltrisiloxane:**

Acute oral toxicity: LD50 (Rat): > 2,000 mg/kg
Assessment: The substance or mixture has no acute oral toxicity
Remarks: Based on test data

Acute inhalation toxicity: LC50 (Rat): > 2350 ppm
Exposure time: 4 h
Test atmosphere: vapor
Assessment: The substance or mixture has no acute inhalation toxicity
Remarks: Based on test data

Acute dermal toxicity: LD50 (Rat): > 2,000 mg/kg
Assessment: The substance or mixture has no acute dermal toxicity
Remarks: Based on test data

Tetrakis(2-butoxyethyl) orthosilicate:

Acute oral toxicity: LD50 (Rat): > 2,000 mg/kg
Assessment: The substance or mixture has no acute oral toxicity
Remarks: Information taken from reference works and the literature.

Acute dermal toxicity: LD50 (Rat): > 2,000 mg/kg
Assessment: The substance or mixture has no acute dermal toxicity
Remarks: Information taken from reference works and the literature.

Titanium tetrabutanolate:

Acute oral toxicity: LD50 (Rat): > 2,000 mg/kg
Acute inhalation toxicity: LC50 (Rat): 11 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

Skin corrosion/irritation

Causes skin irritation.

Ingredients**Octamethyltrisiloxane:**

Species: Rabbit
Result: No skin irritation
Remarks: Based on test data

Tetrakis(2-butoxyethyl) orthosilicate:

Species: Rabbit
Result: Skin irritation

11: TOXICOLOGICAL INFORMATION (CONT.)

Remarks: Based on test data

Titanium tetrabutanolate:

Result: Skin irritation

Serious eye damage/eye irritation

Causes serious eye damage.

Ingredients**Octamethyltrisiloxane:**

Result: No eye irritation

Remarks: Based on data from similar materials

Tetrakis(2-butoxyethyl) orthosilicate:

Species: Rabbit

Result: No eye irritation

Remarks: Information taken from reference works and the literature.

Titanium tetrabutanolate:

Species: Rabbit

Result: Irreversible effects on the eye

Respiratory or skin sensitization

Skin sensitization: Not classified based on available information.

Respiratory sensitization: Not classified based on available information.

Ingredients**Octamethyltrisiloxane:**

Assessment: Does not cause skin sensitization.

Test Type: Human repeat insult patch test (HRIPT)

Species: Humans

Remarks: No known sensitizing effect. Based on test data

Tetrakis(2-butoxyethyl) orthosilicate:

Assessment: Does not cause skin sensitization.

Test Type: Buehler Test

Remarks: No known sensitizing effect. Information taken from reference works and the literature.

Titanium tetrabutanolate:

Test Type: Local lymph node assay (LLNA)

Routes of exposure: Skin contact

Species: Mouse

Result: negative

11: TOXICOLOGICAL INFORMATION (CONT.)

Germ cell mutagenicity

Not classified based on available information.

Ingredients

Octamethyltrisiloxane:

Genotoxicity in vitro:

| | |
|------------|---|
| Test Type: | Chromosome aberration test in vitro |
| Result: | negative |
| Remarks: | Based on test data |
| Test Type: | Bacterial reverse mutation assay (AMES) |
| Result: | negative |
| Remarks: | Based on test data |

Titanium tetrabutanolate:

Genotoxicity in vitro:

| | |
|------------|---|
| Test Type: | Bacterial reverse mutation assay (AMES) |
| Method: | OECD Test Guideline 471 |
| Result: | negative |

Carcinogenicity

Not classified based on available information.

IARC

No ingredient 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

Confirmed animal carcinogen with unknown relevance to humans 2-Butoxyethanol 111-76-2

OSHA

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified based on available information.

Ingredients

11: TOXICOLOGICAL INFORMATION (CONT.)

Octamethyltrisiloxane:

Effects on fertility:

Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test
Species: Rat, male and female
Application Route: inhalation (vapor)
Symptoms: No effects on fertility.
Remarks: Based on test data

Test Type: Uterotrophic assay
Species: Rat, female
Application Route: inhalation (vapor)
Result: negative
Remarks: Based on test data

Effects on fetal development:

Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test
Species: Rat, male and female
Application Route: inhalation (vapor)
Symptoms: No effects on fetal development.
Remarks: Based on test data

Reproductive toxicity - Assessment: No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

STOT-single exposure

Not classified based on available information.

Ingredients

Titanium tetrabutanolate:

Assessment: May cause respiratory irritation.
Assessment: May cause drowsiness or dizziness.

STOT-repeated exposure

Not classified based on available information.

Ingredients

Octamethyltrisiloxane:

Routes of exposure: Ingestion
Assessment: No significant health effects observed in animals at concentrations of 100 mg/kg bw or less.
Routes of exposure: inhalation (vapor)
Assessment: No significant health effects observed in animals at

11: TOXICOLOGICAL INFORMATION (CONT.)

concentrations of 1 mg/l/6h/d or less.

Repeated dose toxicity

Ingredients

Octamethyltrisiloxane:

| | |
|--------------------|--------------------|
| Species: | Rat |
| Application Route: | Ingestion |
| Remarks: | Based on test data |
| Species: | Rat |
| Application Route: | inhalation (vapor) |
| Remarks: | Based on test data |

Aspiration toxicity

Not classified based on available information.

Further information

Ingredients

Octamethyltrisiloxane:

Remarks: This material contains octamethyltrisiloxane (L3). Repeated inhalation exposure in rats to L3 resulted in protoporphyrin accumulation in the liver. Without knowledge of the specific mechanism leading to the protoporphyrin accumulation the relevance of this finding to humans is unknown.

12. ECOLOGICAL CONSIDERATIONS

Ecotoxicity

Ingredients

Octamethyltrisiloxane:

| | |
|---|---|
| Toxicity to fish: | |
| LC50 (Oncorhynchus mykiss (rainbow trout)): | > 0.019 mg/l |
| Exposure time: | 96 h |
| Method: | OECD Test Guideline 203 |
| Remarks: | Based on test data. No toxicity at the limit of solubility. |

Toxicity to daphnia and other aquatic invertebrates:
EC50 (Daphnia magna (Water flea)): > 0.020 mg/l

12. ECOLOGICAL CONSIDERATIONS (CONT.)

Exposure time: 48 h
Method: OECD Test Guideline 202
Remarks: No toxicity at the limit of solubility.

Toxicity to algae:
EC50 (*Pseudokirchneriella subcapitata* (green algae)): > 0.0094 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
Remarks: No toxicity at the limit of solubility.

Toxicity to fish (Chronic toxicity):
NOEC (*Oncorhynchus mykiss* (rainbow trout)): > 0.027 mg/l
Method: OECD Test Guideline 210
Remarks: Based on test data No toxicity at the limit of solubility.

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity):
NOEC (*Daphnia* sp.): > 0.15 mg/l
Exposure time: 21 d
Method: OECD Test Guideline 211
Remarks: No toxicity at the limit of solubility.

Ecotoxicology Assessment Acute aquatic toxicity

This product has no known ecotoxicological effects.

Chronic aquatic toxicity

This product has no known ecotoxicological effects.

Tetrakis(2-butoxyethyl) orthosilicate:

Toxicity to fish:
LC50 (*Danio rerio* (zebra fish)): > 201 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates:
EC50 (*Daphnia* sp.): > 90 mg/l
Exposure time: 48 h
Method: EG 84/449
Remarks: No toxicity at the limit of solubility.

Toxicity to algae:
ErC50 (*Scenedesmus subspicatus*): > 161 mg/l
Exposure time: 72 h
Method: 88/302/EC

Ecotoxicology Assessment Acute aquatic toxicity

This product has no known ecotoxicological effects.

12. ECOLOGICAL CONSIDERATIONS (CONT.)

Persistence and degradability

Ingredients

Octamethyltrisiloxane:

Biodegradability:
Result: Not readily biodegradable.
Biodegradation: 0 %
Method: OECD Test Guideline 310

Stability in water:
Degradation half life: 329 h
pH: 7
Method: OECD Test Guideline 111
Remarks: Based on test data

Tetrakis(2-butoxyethyl) orthosilicate:

Biodegradability:
Result: Readily biodegradable.
Biodegradation: 83 %
Method: OECD Test Guideline 301B

Bioaccumulative potential

Ingredients

Octamethyltrisiloxane:

Bioaccumulation:
Species: Pimephales promelas (fathead minnow)
Bioconcentration factor (BCF): ≥ 500
Method: OECD Test Guideline 305
Remarks: Biomagnification factor < 1

Partition coefficient:
n-octanol/water: $\log P_{ow} \geq 4$
Remarks: Based on test data

Titanium tetrabutanolate:

Partition coefficient:
n-octanol/water: $\log P_{ow} = 0.88$

Mobility in soil

No data available

Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Resource Conservation and Recovery Act (RCRA)

When a decision is made to discard this material as supplied, it is classified as a RCRA hazardous waste.

Waste Code

D001: Ignitability

Waste from residues

Dispose of in accordance with local regulations.

Contaminated packaging

Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not burn, or use a cutting torch on, the empty drum.

14. TRANSPORT INFORMATION

International Regulation

UNRTDG

UN number: UN 1993
Proper shipping name: FLAMMABLE LIQUID, N.O.S. (Octamethyltrisiloxane, Organo Titanate)
Class: 3
Packing group: III
Labels : 3

IATA-DGR

UN/ID No.: UN 1993
Proper shipping name: Flammable liquid, n.o.s. (Octamethyltrisiloxane, Organo Titanate)
Class: 3
Packing group: III
Labels: Flammable Liquids
Packing instruction (cargo aircraft): 366
Packing instruction (passenger aircraft): 355

IMDG-Code

UN number: UN 1993
Proper shipping name: FLAMMABLE LIQUID, N.O.S. (Octamethyltrisiloxane, Organo Titanate)

14. TRANSPORT INFORMATION (CONT.)

Class: 3
Packing group: III
Labels: 3
EmS Code: F-E, S-E
Marine pollutant: no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

49 CFR

UN/ID/NA number: UN 1993
Proper shipping name: FLAMMABLE LIQUIDS, N.O.S. (Octamethyltrisiloxane, Organo Titanate)
Class: 3
Packing group: III
Labels: FLAMMABLE LIQUID
ERG Code: 128
Marine pollutant: no

15. REGULATORY INFORMATION

EPCRA = Emergency Planning and Community

Right-to-Know CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards

Fire Hazard; Acute Health Hazard

SARA 302

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

15. REGULATORY INFORMATION (CONT.)

US State Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania | Rhode Island | Illinois |
|---|------------|---------------|--------------|--------------|----------|
| Octamethyltrisiloxane CAS# 107-51-7 | X | | X | | |
| Titanium tetrabutanolate CAS# 5593-70-4 | X | | X | | |
| Tetrapropyl orthosilicate CAS# 682-01-9 | X | | X | | |
| Tetrakis(2-butoxyethyl) orthosilicate CAS# 18765-38-3 | X | | X | | |
| 2-Butoxyethanol CAS# 111-76-2 | X | | | | |

California Prop 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

The ingredients of this product are reported in the following inventories:

- KECI:** One or more ingredients are not listed or exempt.
- REACH:** All ingredients (pre-)registered or exempt.
- TSCA:** All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.
- IECSC:** All ingredients listed or exempt.
- ENCS/ISHL:** All components are listed on ENCS/ISHL or exempted from inventory listing.
- PICCS:** All ingredients listed or exempt.
- DSL:** This product contains one or more substances which are not on the Canadian Domestic Substances List (DSL). Import of this product into Canada has volume limitations. For volume limits please consult Dow Corning Regulatory Compliance.
- AICS:** Consult your local Dow Corning office.
- NZIoC:** All ingredients listed or exempt.

Inventories AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

16. OTHER INFORMATION

NFPA

Health Hazards: 3
 Flammability: 3
 Instability: 0
 Physical/Chemical Haz. -

HMIS

Health Hazards: 3
 Flammability: 3
 Physical Hazard: 0
 Personal Protection: X

Full text of other abbreviations

ACGIH: USA. ACGIH Threshold Limit Values (TLV)

DCC OEL: Dow Corning Guide

NIOSH REL: USA. NIOSH Recommended Exposure Limits

OSHA Z-1: USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants

ACGIH / TWA: 8-hour, time-weighted average

DCC OEL / TWA: Time weighted average

NIOSH REL / TWA: Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek

NIOSH REL / C: Ceiling value not be exceeded at any time.

OSHA Z-1 / TWA: 8-hour time weighted average

Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

<http://www.crlaurence.com>

| Date | Section | Action | Version Number |
|---------|---------|----------------------------------|----------------|
| 4/23/15 | - | SDS Created | 1.1 |
| 5/14/15 | 9 | VOC information included | 1.2 |
| 8/7/20 | - | SDS reviewed – no changes needed | 1.3 |