

MATERIAL SAFETY DATA SHEET

Company Name: SHERWIN-WILLIAMS
Address: 31500 SOLON RD
City / State / Zip: SOLON / OH / 44139
US-CHEMTREC Phone(I): (800)424-9300
US-CHEMTREC Phone(II): (703)527-3887
CAN-CANUTEC Phone: (613)996-6666
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I. CHEMICAL PRODUCT IDENTIFICATION

Product Name: KRYLON TOUCH UP SPRAY – FLAT WHITE
HMIS Ratings:

Health: Moderate(2)
 Flammability: Serious(3)
 Instability/Reactivity: Minimal(0)

NFPA Ratings:

II. COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Ingredients	C.A.S. Number	% By Weight	ACGIH TLV TWA/STEL	OSHA PEL TWA/STEL	Other TWA/STEL	LD50	LC50
PROPANE	74-98-6	14	2500 PPM	1000 PPM			
Notes							
BUTANE	106-97-8	6	800 PPM	800 PPM			
Notes							
ETHYL BENZENE	100-41-4	1	100 PPM 125 PPM	100 PPM 125 PPM		RAT 4HR: 3500 MG/KG	
Notes							
XYLENE	1330-20-7	8	100 PPM 150 PPM	100 PPM 150 PPM		RAT 4HR: 4300 MG/KG	RAT 4HR: 5000 PPM
Notes							
ACETONE	67-64-1	38	500 PPM 750 PPM	1000 PPM		RAT 4HR: 5800 MG/KG	
Notes							
METHYL ETHYL KETONE	78-93-3	10	200 PPM 300 PPM	200 PPM 300 PPM		RAT 4HR: 2740 MG/KG	
Notes							
1-METHOXY-2-PROPANOL ACETATE	108-65-6	6				RAT 4HR: 8500 MG/KG	
Notes							
AMORPHOUS PRECIPITATED SILICA	112926-00-8	1	10 MG/M ³ AS DUST	6 MG/M ³ AS DUST			
Notes							
TITANIUM DIOXIDE	13463-67-7	6	10 MG/M ³ AS DUST	10 MG/M ³ AS TOTAL DUST; 5 MG/M ³ RESPIRABLE FRA			
Notes							

III. HAZARDS IDENTIFICATION PRIMARY ROUTE OF ENTRY

Eyes: IRRITATION

Skin:	PROLONGED OR REPEATED EXPOSURE MAY CAUSE IRRITATION.
Inhalation:	IRRITATION OF THE UPPER RESPIRATORY SYSTEM.
Signs and Symptoms of Exposure:	MAY CAUSE NERVOUS SYSTEM DEPRESSION. EXTREME OVEREXPOSURE MAY RESULT IN UNCONSCIOUSNESS AND POSSIBLY DEATH. PROLONGED OVEREXPOSURE TO SOLVENT INGREDIENTS IN SECTION II MAY CAUSE ADVERSE EFFECTS TO THE LIVER, URINARY, CARDIOVASCULAR, AND REPRODUCTIVE SYSTEMS. SIGNS/SYMPTOMS OF OVEREXPOSURE: HEADACHE, DIZZINESS, NAUSEA, AND LOSS OF COORDINATION ARE INDICATIONS OF EXCESSIVE EXPOSURE TO VAPORS OR SPRAY MISTS. REDNESS AND ITCHING OR BURNING SENSATION MAY INDICATE EYE OR EXCESSIVE SKIN EXPOSURE.
Other:	ROUTES OF EXPOSURE: INHALATION OF VAPOR OR SPRAY MIST. EYE OR SKIN CONTACT WITH THE PRODUCT, VAPOR OR SPRAY MIST.

IV. FIRST AID MEASURES

Eyes:	FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.
Skin:	WASH AFFECTED AREA THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE RE-USE.
Ingestion:	DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY.
Inhalation:	IF AFFECTED, REMOVED FROM EXPOSURE. RESTORE BREATHING. KEEP WARM AND QUIET.

V. FIRE FIGHTING MEASURES

Flash Point:	PROPELLANT <0° F
Lower Flammability Limit:	1.0
Upper Flammability Limit:	13.1
Extinguishing Agents:	CARBON DIOXIDE, DRY CHEMICAL, FOAM
Unusual Fire or Explosion Hazards:	CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. APPLICATION TO HOT SURFACES REQUIRES SPECIAL PRECAUTIONS. DURING EMERGENCY CONDITIONS OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD. SYMPTOMS MAY NOT BE IMMEDIATELY APPARENT. OBTAIN MEDICAL ATTENTION.
Fire Fighting Procedures:	FULL PROTECTIVE EQUIPMENT INCLUDING SELF-CONTAINED BREATHING APPARATUS SHOULD BE USED. WATER SPRAY MAY BE INEFFECTIVE. IF WATER IS USED, FOG NOZZLES ARE PREFERABLE. WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP AND POSSIBLE AUTOIGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT.

VI. ACCIDENTAL RELEASE MEASURES

Containment/Cleanup:	REMOVE ALL SOURCES OF IGNITION. VENTILATE THE AREA. REMOVE WITH INERT ABSORBENT.
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VII. HANDLING AND STORAGE

Other: KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME. VAPORS WILL ACCUMULATE READILY AND MAY IGNITE EXPLOSIVELY. DURING USE AND UNTIL ALL VAPORS ARE GONE: KEEP AREA VENTILATED –DO NOT SMOKE– EXTINGUISH ALL FLAMES, PILOT LIGHTS, AND HEATERS– TURN OFF STOVES, ELECTRIC TOOLS AND APPLIANCES AND ANY OTHER SOURCES OF IGNITION. CONSULT NFPA CODE. USE APPROVED BONDING AND GROUNDING PROCEDURES. CONTENTS UNDER PRESSURE. DO NOT PUNCTURE, INCINERATE, OR EXPOSE TO TEMPERATURE ABOVE 120°F. HEAT FROM SUNLIGHT, RADIATORS, STOVES, HOT WATER, AND OTHER HEAT SOURCES COULD CAUSE CONTAINER TO BURST. DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: WEAR SAFETY SPECTACLES WITH UNPERFORATED SIDESHIELDS.

Skin: PROTECTIVE GLOVES: NONE REQUIRED FOR NORMAL APPLICATION OF AEROSOL PRODUCTS WHERE MINIMAL SKIN CONTACT IS EXPECTED. FOR LONG OR REPEATED CONTACT, WEAR CHEMICAL RESISTANT GLOVES.

Respiratory: IF PERSONAL EXPOSURE CANNOT BE CONTROLLED BELOW APPLICABLE LIMITS BY VENTILATION, WEAR A PROPERLY FITTED ORGANIC VAPOR/PARTICULATE RESPIRATOR APPROVED BY NIOSH/MSHA FOR PROTECTION AGAINST MATERIALS IN SECTION II. WHEN SANDING, OR ABRADING THE DRIED FILM, WEAR A DUST/MIST RESPIRATOR APPROVED BY NIOSH/MSHA FOR DUST WHICH MAY BE GENERATED FROM THIS PRODUCT, UNDERLYING PAINT, OR THE ABRASIVE.

Engineering: VENTILATION: LOCAL EXHAUST PREFERABLE. GENERAL EXHAUST ACCEPTABLE IF THE EXPOSURE TO MATERIALS IN SECTION II IS MAINTAINED BELOW APPLICABLE EXPOSURE LIMITS. REFER TO OSHA STANDARDS 1910.94, 1910.107, 1910.108.

Other: PRECAUTIONS TO BE TAKEN IN USE:
USE ONLY WITH ADEQUATE VENTILATION. AVOID BREATHING VAPOR AND SPRAY MIST. AVOID CONTACT WITH SKIN AND EYES. WASH HANDS AFTER USING. THIS COATING MAY CONTAIN MATERIALS CLASSIFIED AS NUISANCE PARTICULATES (LISTED "AS DUST" IN SECTION II) WHICH MAY BE PRESENT AT HAZARDOUS LEVELS ONLY DURING SANDING OR ABRADING OF THE DRIED FILM. IF NO SPECIFIC DUSTS ARE LISTED IN SECTION II, THE APPLICABLE LIMITS FOR NUISANCE DUSTS ARE ACGIH TLV 10 MG/M³ (TOTAL DUST), 3 MG/M³ (RESPIRABLE FRACTION). OSHA PEL 15 MG/M³ (TOTAL DUST), 5 MG/M³ (RESPIRABLE FRACTION).
OTHER PRECAUTIONS:
INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS CAN BE HARMFUL OR FATAL.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: FLAT WHITE

Boiling Point: <0 – 302° F (<-18 – 150°C)

pH: 7.0

Solubility in Water: NOT APPLICABLE

Specific Gravity: 0.80

Vapor Pressure: *

Vapor Density: HEAVIER THAN AIR

Volatile Content: VOLATILE VOLUME: 91%
VOLATILE ORGANIC COMPOUNDS (VOC THEORETICAL– AS PACKAGED)
VOLATILE WEIGHT 45.39%; LESS WATER & FEDERALLY EXEMPT SOLVENTS

Other: PRODUCT WEIGHT: 6.62 LB/G; 793 G/L
 MELTING POINT: NOT AVAILABLE
 EVAPORATION RATE: FASTER THAN ETHER
 *VAPOR PRESSURE
 PROPANE: 760 MM
 BUTANE: 760 MM
 ETHYLBENZENE: 7.1 MM
 XYLENE: 5.9 MM
 ACETONE: 180 MM
 METHYL ETHYL KETONE: 70 MM
 1-METHOXY-2-PROPANOL ACETATE: 1.8 MM.

X. STABILITY AND REACTIVITY

Stability: STABLE

Hazardous Polymerization: WILL NOT OCCUR

Hazardous Decomposition BY FIRE: CARBON DIOXIDE, CARBON MONOXIDE.

Products:

Incompatible Products: NONE KNOWN.

Conditions To Avoid: NONE KNOWN.

XI. TOXICOLOGICAL INFORMATION

Other: CHRONIC HEALTH HAZARDS:
 METHYL ETHYL KETONE MAY INCREASE THE NERVOUS SYSTEM EFFECTS OF OTHER SOLVENTS.
 REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. ETHYLBENZENE IS CLASSIFIED BY IARC AS POSSIBLY CARCINOGENIC TO HUMANS (2B) BASED ON INADEQUATE EVIDENCE IN HUMANS AND SUFFICIENT EVIDENCE IN LABORATORY ANIMALS. LIFETIME INHALATION EXPOSURE OF RATS AND MICE TO HIGH ETHYLBENZENE CONCENTRATIONS RESULTED IN INCREASED IN CERTAIN TYPES OF CANCER, INCLUDING KIDNEY TUMORS IN RATS AND LUNG AND LIVER TUMORS IN MICE. THESE EFFECTS WERE NOT OBSERVED IN ANIMALS EXPOSED TO LOWER CONCENTRATIONS. THERE IS NO EVIDENCE THAT ETHYLBENZENE CAUSES CANCER IN HUMANS. IARC'S MONOGRAPH NO. 93 REPORTS THERE IS SUFFICIENT EVIDENCE OF CARCINOGENICITY IN EXPERIMENTAL RATS EXPOSED TO TITANIUM DIOXIDE BUT INADEQUATE EVIDENCE FOR CARCINOGENICITY IN HUMANS AND HAS ASSIGNED A GROUP 2B RATING. IN ADDITION, THE IARC SUMMARY CONCLUDES, "NO SIGNIFICANT EXPOSURE TO TITANIUM DIOXIDE IS THOUGHT TO OCCUR DURING THE USE OF PRODUCTS IN WHICH TITANIUM IS BOUND TO OTHER MATERIALS, SUCH AS PAINT."

XII. ECOLOGICAL INFORMATION

Environmental Fate and NO DATA AVAILABLE

Distribution:

XIII. DISPOSAL CONSIDERATIONS

Disposal Method: WASTE FROM THIS PRODUCT MAY BE HAZARDOUS AS DEFINED UNDER THE RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) 40 CFR 261. WASTE MUST BE TESTED FOR IGNITABILITY TO DETERMINE THE APPLICABLE EPA HAZARDOUS WASTE NUMBERS.
 DO NOT INCINERATE. DEPRESSURIZE CONTAINER. DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS REGARDING POLLUTION.

XIV. TRANSPORT INFORMATION

DOT Label(s) Required: MAY BE CLASSED AS CONSUMER COMMODITY, ORM-D. UN1950, AEROSOLS, 2.1, LIMITED QUANTITY, (ERG#126)

Canada: MAY BE CLASSED AS CONSUMER COMMODITY, ORM-D.

UN Identification Number: UN1950, AEROSOLS, CLASS 2.1, LIMITED QUANTITY, (ERG#126)

Label(s): MAY BE SHIPPED AS LIMITED QUANTITY. UN1950, AEROSOLS, CLASS 2.1, LIMITED QUANTITY, EMS F-D, S-U

XV. REGULATORY INFORMATION

TSCA Status: ALL CHEMICALS IN THESE PRODUCTS ARE LISTED, OR ARE EXEMPT FROM LISTING, ON THE TSCA INVENTORY.

EPA Sara Title III Chemical SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

Listings: ETHYLBENZENE: CAS#: 100-41-4; % BY WT: 1
XYLENE: CAS# 1330-20-7; % BY WT: 8.

California: PROP 65 WARNING:
THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

XVI. OTHER INFORMATION

Other: THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CANADIAN CONTROLLED PRODUCTS REGULATIONS (CPR) AND THE MSDS CONTAINS ALL OF THE INFORMATION REQUIRED BY THE CPR.

WARRANTY INFORMATION

THIS INFORMATION IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.