

RALRUBE INC. -- SILICONE SILANE -- 8040-00-097-6524

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Product Identification
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Product ID:SILICONE SILANE
MSDS Date:06/17/1998
FSC:8040
NIIN:00-097-6524
Status Code:A
MSDS Number: CLQBD
=== Responsible Party ===
Company Name:RALRUBE INC.
Address:36977 FOX GLEN
City:FARMINGTON HILLS
State:MI
ZIP:48331
Country:US
Info Phone Num:248-661-0260
Emergency Phone Num:800-424-9300
Preparer's Name:E
RNEST CARTER
Chemtrec Ind/Phone:(800)424-9300
CAGE:6X798

==== Contractor Identification ====

Company Name:RALRUBE INC.
Address:36977 FOX GLEN
Box:City:FARMINGTON HILLS
State:MI
ZIP:48331
Country:US
Phone:248-661-0260, FAX 248-661-3941
CAGE:6X798

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Composition/Information on Ingredients
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Ingred Name:(.GAMMA.-AMINOPROPYL)TRIETHOXYSILANE
CAS:919-30-2
RTECS #:TX2100000
Minumum % Wt:80.
Maxumum % Wt:99.

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Hazards Identification
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:HARMFUL IF SWALLOWED.CAUSES

VOMITING,NAUSEA, AND DIRRHEA. MAY CAUSE TISSUE DAMAGE. IRRITATION OF THE MOUTH, THROAT, AND STOMACH. MAY BE FATAL IF SWALLOWED. MAY CAUSE LIVER AND KIDNEY DAMAGE. SKIN CONT ACT: HARMFUL IF ABSORBED THRU THE SKIN. MAY CAUSE SEVERE SKIN IRRITATION. MAY CAUSE SKIN BURNS. INHALATION: EXCESSIVE INHALATION CAUSES

HEADACHE, DIZZINESS,

NAUSEA AND INCOORDNATION. CAUSES IRRITATIO N OF THE MOUTH, NOSE, AND THROAT. EYE CONTACT: CAUSES SEVERE EYE IRRITATION MAY DAMAGE TISSUE. MAY CAUSE PERMANENT EYE DAMAGE CAUSES CORNEAL BURNS.

Explanation of Carcinogenicity:THIS PRODUCT OR ONE OF ITS INGREDIENTS

PRESENT 0.1% OR MORE IS NOT LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN BY NTP, IARC, OR OSHA.

Effects of Overexposure:DERMATITIS. RESPIRATORY AILMENTS. LIVER AND KIDNEY DAMAGE. THIS PRODUCT

REACTS WITH WATER OR MOISTURE TO FORM

ETHANOL. REPEATED INGESTION OF ETHANOL BY PREGNANT WOMEN HAS BEEN SHOWN TO CAUSE BIRTH DEF ECTS IN THEIR INFANTS (FETAL ALCOHOL SYNDROME). IARC HAS DETERMINED THAT LONG TERM INGESTION OF ETHANOL CAUSES THE DEVELOPMENT OF MAILIGNANT TUMORS IN THE ORAL CAVITY, PHARYNX, LARYNX, ESOPHAGUS AND L IVER IN HUMANS.

Medical Cond Aggravated by Exposure:RESPIRATORY LIVER, KIDNEY DERMAL AILMENTS.

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===== First Aid Measures =====
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First Aid:DO NOT INDUCE VOMITING. SLOWLY DILUTE WITH 1-2 GLASSES OF WATER OR MILK AND SEEK MEDICAL ATTENTION. SKIN: WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. GET MEDICAL ATTENTION. IF NOT BREATHING, GIVE MOUTH TO MOUTH. EYES: FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION.

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===== Fire Fighting Measures =====

Flash Point Method:TOC

Flash Point:=1

04.4C, 220.F

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, SODIUM CHLORIDE, FOAM.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:DO NOT USE WATER BECAUSE OF REACTION. POSITIVE PRESSURE, SELF CONTAINED BREATHING APPARATUS.

===== Accidental Release Measures =====

Spill Release Procedures:WIPE, SCRAPE OR SOAK UP IN AN INERT MATERIAL AND PUT IN A CONTAINER FOR DISPOSAL. WEAR PROPER PROTECTIVE EQUIPMENT AS SPECIFIED IN THE PROTECTIVE EQUIPMENT SECTION. WARN OTHER WORKERS OF SPILL. INCREASE AREA VENTILATION. PERSON NOT TRAINED SHOULD EVACUATE AREA.

===== Handling and Storage =====

Handling and Storage Precautions:AVOID CONTACT WITH SKIN AND EYES. USE ONLY IN A WELL VENTILATED AREA.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:APPROPRIATE RESPIRATORY PROTECTION SHALL BE WORN WHEN APPLIED ENGINEERING CONTROLS ARE NOT ADEQUATE TO PROTECT AGAINST INHALATION EXPOSURE.

Ventilation:EXHAUST VENTILATION.

Protective Gloves:PROTECTIVE GLOVES: POLYVINYLCHLORIDE

Eye Protection:MONOGOGGLES. FACE SHIELD.

Other Protective Equipment:WEAR EYE PROTECTION AND PROTECTIVE CLOTHING.

Work Hygienic Practices:SHOWERS. EYEWASH STATIONS. USE IN A WELL VENTILATED AREA.

Supplemental Safety and Health

===== Physical/Chemical Properties =====

Boiling Pt:=217.2C, 423.F

Melt/Freeze Pt:M.P/

F.P Text:N./P

Vapor Pres:~10

Spec Gravity:0.943

VOC Pounds/Gallon:7

Evaporation Rate & Reference: