MSDS Safety Information

PSC: 6810
MSDS Date: 07/22/1993
MSDS Num: BWYW
LINN: 00N057737
Product ID: 3-AMINOPROPYLTRIETHOXYSILANE, A3648
MFN: 01

Responsible Party
Cage: 21076
Name: SIGMA CHEMICAL CO
Address: 3050 SPRUCE ST
City: ST PAUL MO 63103
Info Phone Number: 314-771-5765
Emergency Phone Number: 800-325-3010

Contractor Summary
Cage: 21076
Name: SIGMA CHEMICAL COMPANY
Box: 14508
City: ST LOUIS MO 63178
Phone: 1-314-771-5765

Ingredients
Cas: 919-30-2
RTECS #: TX2100000
Name: 1-PROPANAMINE,3-(TRIETHOXYSILYL)-;(3-AMINOPROPYLTRIETHOXYSILANE)
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Health Hazards Data
LD50 LC50 Mixture: LD50: (ORAL,RAT) 1780 MG/KG
Route Of Entry Inds - Inhalation: YES
Skin: YES
Ingestion: YES
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO

Explanations Of Carcinogenicity: NOT RELEVANT.
Signs And Symptoms Of Overexposure: HLTH HAZ: TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL & TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED. HARMFUL IF INHALED OR SWALLOWED.
Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.
First Aid: EYE/SKIN: FLUSH W/COPICOUS AMTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAM CLTHG & SHOES. ASSURE ADEQUATE FLUSHING OF EYES BY SEPARATING EYELIDS W/FINGERS. INHAL: REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTF RESP. IF BRTHG IS DFCLT, GIVE O*2. INGEST: WASH OUT MOUTH W/WATER PROVIDED PERSON IS CONS. CALL MD. WASH CONTAM CLTHG BEFORE REUSE.

Handling and Disposal
Spill Release Procedures: WEAR NIOSH/MSHA APPRVD SCBA, RUBBER BOOTS & HEAVY RUBBER GLOVES. ABSORB ON SAND/VERMICULITE & PLACE IN CLOSED CONTAINERS FOR DISPOSAL. VENT AREA & WASH SPILL SITE AFTER MATL PICKUP IS COMPLETE.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.
Handling And Storage Precautions: KEEP TIGHTLY CLSD. MOISTURE SENSITIVE. STORE IN COOL DRY PLACE. DO NOT BREATHE VAP. DO NOT GET IN EYES, ON SKIN, ON CLOTHING. AVOID PLUNGED/RPTD EXPOS.

Other Precautions: CORROSIVE. MAY BE READILY ABSORBED THROUGH SKIN. CAUSES BURNS. HARMFUL BY INHAL & INGEST. WATER & ACIDS REACT W/MATL TO LIBERATE ETHANOL. HEAT OF RXN MAY IGNIT VAPORS OF THE ALCOHOL.

Fire and Explosion Hazard Information

Flash Point Text: 220°F, 104°C
Lower Limits: 0.8%
Upper Limits: 4.5%
Extinguishing Media: DO NOT USE WATER. CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.
Fire Fighting Procedures: WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N).
Unusual Fire/Explosion Hazard: UNDER FIRE CNDTSN, MATL MAY DECOMPOSE TO FORM FLAMMABLE &/EXPLOSIVE MIXTURES IN AIR. EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

Control Measures

Respiratory Protection: WEAR NIOSH/MSHA APPROVED RESPIRATOR.
Ventilation: USE ONLY IN A CHEMICAL FUME HOOD.
Protective Gloves: CHEMICAL RESISTANT GLOVES.
Eye Protection: ANSI APPRVD FCSHLD (8-INCH MINIMUM) (FP N)
Other Protective Equipment: EYEWASH FOUNTAIN & DELUGE SHOWER MEETING ANSI DESIGN CRITERIA (FP N).
Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING.
Supplemental Safety and Health: NONE SPECIFIED BY MANUFACTURER.

Physical/Chemical Properties

B.P. Text: 423°F, 217°C
Vapor Press: <1 @ 100°C
Vapor Density: 7.7
Spec Gravity: 0.942
Appearance and Odor: COLORLESS LIQUID.

Reactivity Data

Stability Indicator: YES
Stability Condition To Avoid: MAY DECOMPOSE ON EXPOSURE TO MOIST AIR OR WATER.
Materials To Avoid: STRONG OXIDIZING AGENTS. ACIDS.
Hazardous Decomposition Products: THERMAL DECOMPOSITION MAY PRODUCE CARBON MONOXIDE, CARBON DIOXIDE, AND NITROGEN OXIDES. SILICON OXIDE.
Hazardous Polymerization Indicator: NO
Conditions To Avoid Polymerization: NOT RELEVANT.

Toxicological Information

Ecological Information

MSDS Transport Information

Regulatory Information

Other Information

HAZCOM Label

Product ID: 3-AMINOPROPYLTRIETHOXYSILANE, A3648
Cage: 21076
Company Name: SIGMA CHEMICAL COMPANY
Hazard And Precautions: COMBUSTIBLE. ACUTE: MATL IS EXTREMELY DESTRUCTIVE TO TISS OF MUC MEMBS & UPPER RESP TRACT, EYES & SKIN. INHAL MAY BE FATAL AS RSLT OF SPASM, INFLAMM & EDEMA OF LARYNX & BRONCHI, CHEM PNEUM & PULM EDEMA. SYMPS OF EXPOSURE MAY INCLUDE BURNING SENSATION, COUGHING, WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HDCH, NAUS & VOMIT. TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED. HARMFUL IF INHALED OR SWALLOWED. CHRONIC: NONE SPECIFIED BY MANUFACTURER.

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