

MSDS Safety Information

FSC: 6810
MSDS Date: 07/22/1993
MSDS Num: BWYTW
LIIN: 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
Published: Y

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

Effects of Exposure: 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(EFTS OF OVEREXP)

Explanation Of Carcinogenicity: NOT RELEVANT.

Signs And Symptions 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/COPIOUS AMTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMD 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 CONTAMD 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. Waste Disposal Methods: DISSOLVE OR MIX THE MATERIAL W/COMBUSTIBLE SOLVENT & BURN IN A CHEMICAL INCINERATOR EQUIPPED W/AFTERBURNER & SCRUBBER. OBSERVE ALL LOCAL, STATE & FEDERAL REGULATIONS (FP N).

Handling And Storage Precautions: KEEP TIGHTLY CLSD. MOISTURE SENSITIVE. STORE  
IN COOL DRY PLACE. DO NOT BRTH VAP. DO NOT GET IN EYES, ON SKIN, ON CLTHG.  
AVOID PLNGD/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.

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Fire and Explosion Hazard Information  
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Flash Point Text: 220F,104C

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 CNDTNS, MATL MAY DECOMPOSE TO FORM  
FLAMMABLE &/EXPLOSIVE MIXTURES IN AIR. EMITS TOXIC FUMES UNDER FIRE  
CONDITIONS.

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Control Measures  
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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.

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Physical/Chemical Properties  
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B.P. Text: 423F,217C

Vapor Pres: <10 @ 100C

Vapor Density: 7.7

Spec Gravity: 0.942

Appearance and Odor: COLORLESS LIQUID.

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Reactivity Data  
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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.

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Toxicological Information  
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Ecological Information  
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MSDS Transport Information  
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Regulatory Information  
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Other Information  
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HAZCOM Label  
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Product ID: 3-AMINOPROPYLTRIETHOXYSILANE, A3648

Cage: 21076

Company Name: SIGMA CHEMICAL COMPANY

PO Box: 14508  
City: ST LOUIS MO  
Zipcode: 63178  
Health Emergency Phone: 800-325-3010  
Label Required IND: Y  
Date Of Label Review: 03/14/1995  
Status Code: C  
Label Date: 03/14/1995  
Origination Code: G  
Chronic Hazard IND: Y  
Eye Protection IND: YES  
Skin Protection IND: YES  
Signal Word: DANGER  
Health Hazard: Moderate  
Contact Hazard: Severe  
Fire Hazard: Slight  
Reactivity Hazard: None

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  
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CHRONIC: NONE SPECIFIED BY MANUFACTURER.

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