

MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-427/4270-70-6.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

4270-70-6

Code:

M

RTECS:

Code:

X

Name:

TRIPHENYLSULFONIUM CHLORIDE *93-4*

Other REC Limits:

N/K

OSHA PEL:

N/K

Code:

M

OSHA STEL:

Code:

ACGIH TLV:

N/K

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

USE NIOSH/MSHA APPROVED RESPIRATOR WHERE GAS, MIST & SPRAY MAY BE GENERATED.

Ventilation:

LOCAL EXHAUST: ADEQUATE

Protective Gloves:

IMPERVIOUS

Eye Protection:

FACE SHIELD, GOGGLES

Other Protective Equipment:

Equipment ACID RESISTANT PROTECTIVE SUIT W/PANTS, SLEEVES WORN OUTSIDE OF RUBBER BOOTS GLOVES. SHOWERS EYEWASH FACILITIES.

Work Hygienic Practices:

REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. WASH THOROUGHLY AFTER HANDLING. DISCARD UNCONTAMINATED FOOTWEAR.

Supplemental Safety and Health:

MAT TO AVOID CONT'D: ACID: ALKALI/ACTIVE METALS. HAZARDS CONT'D: DEATH, PRIMARY IRRITANT, PHOTOSENSITIZATION. EYES: CORROSIVE, IRRITATION, VISUAL IMPAIRMENT, BLINDNESS. CHRONIC: BURNS.

Health Hazards Data

LD50/LC50 Mixture:

ORAL LD50 (RABBIT): 900 MG/KG

Route Of Entry Inds - Inhalation:

YES

Skin:

NO

Ingestion:

YES

Carcinogenicity Inds - NTP:

YES

IARC:

YES

OSHA:

NO

Health Hazards Acute And Chronic:

INHALATION: SEVERE IRRITATION, ULCERATION OF THE NOSE, THROAT & LARYNX, PULMONARY EDEMA, DEATH. CHRONIC: RESPIRATORY TRACT DAMAGE & EROSION OF THE TEETH. INGESTION: SEVERE BURNS TO THE MUCOUS MEMBRANE S, DEATH. CHRONIC: GI INFLAMMATION, SEVERE BURNS. SKIN: CORROSIVE. CHRONIC: BURNS, DESTROY SURROUNDING TISSUE, (SEE SUPP)

Explanation Of Carcinogenicity:

SEE INGREDIENTS

Signs And Symptoms Of Overexposure:

SWELLING, BREATHING DIFFICULTIES, COUGH, CHOKING SENSATION, CHEST TIGHTNESS, BURNING, PHOTOSENSITIZATION, ITCHING, DRYING, REDNESS, NAUSEA, DIARRHEA, INTENSE THIRST, VOMITING, COLLAPSE & SEVERE ABDOMINAL PAINS & INFLAMMATION.

Medical Cond Aggravated By Exposure:

SKIN & RESPIRATORY DISEASES.

First Aid:

INHALATION: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NECESSARY. SKIN: WASH W/PLENTY OF WATER FOR 15 MINS. INGESTION: DON'T INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER IF CONSCIOUS. IF VOMITING OCCURS, KEEP AIRWAY CLEAR. EYES: FLUSH W/WATER FOR 15 MINS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Spill Release Procedures:

4 USE ACID RESISTANT CLOTHES/RESPIRATORY PROTECTION. SMALL: MOP/WIPE UP & DISPOSE IN DOT-APPROVED WASTE CONTAINERS. LARGE: DIKE W/SOIL/OTHER ABSORBENT MATERIAL & CAREFULLY NEUTRALIZE. KEEP NON-NEUTRALIZED MATERIAL OUT OF WATER WAYS & SOIL.

Neutralizing Agent:

SODA ASH, LIME. IF SODA ASH IS USED, PROVIDE ADEQUATE VENTILATION.

Waste Disposal Methods:

PACKAGE, STORE, TRANSPORT & DISPOSE OF ALL CLEANUP MATERIALS & ANY CONTAMINATED EQUIPMENT IN ACCORDANCE W/FEDERAL, STATE & LOCAL REGULATIONS. EMPTY CONTAINERS CAN HAVE RESIDUES, GASES & MISTS & ARE SUBJECT TO PROPER WASTE DISPOSAL.

Handling And Storage Precautions:

MODERATE HEAT MAY BE GENERATED WHEN PRODUCT IS MIXED W/WATER. NEVER ADD WATER TO PRODUCT, ADD PRODUCT TO WATER, SLOWLY.

Other Precautions:

STORE IN A COOL DRY AREA AWAY FROM INCOMPATIBLES. KEEP CONTAINER TIGHTLY CLOSED. PROTECT FROM PHYSICAL DAMAGE. AVOID CONTACT W/EYES, SKIN, CLOTHING & BREATHING OF MISTS/VAPORS. DON'T CUT, GRIND, WELD/ DRILL ON/NEAR ANY CONTAINER.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

Flash Point Text:

NON-COMBUSTIBLE

Autoignition Temp:

Autoignition Temp Text:

N/A

Lower Limits:

N/R

Upper Limits:

N/R

Extinguishing Media:

WATER SPRAY, FOAM, CO₂, DRY CHEMICAL

Fire Fighting Procedures:

USE NIOSH APPROVED PRESSURE DEMAND, SCBA & PROTECTIVE CLOTHING. EXTINGUISH ALL NEARBY IGNITION SOURCES.

Unusual Fire/Explosion Hazard:

CONTACT OF HYDROGEN CHLORITE GAS/LIQUID W/ANY ALKALI/ACTIVE METAL MAY DEVELOP ENOUGH HEAT TO CAUSE FIRE IN ADJACENT COMBUSTIBLE MATERIALS. 5

Physical/Chemical Properties

HCC:

NRC/State Lic No:

Net Prop WT For Ammo:

Boiling Point:

108-212°F

Melt/Freeze Pt:

M.P/F.P Text:

N/R

Decomp Temp:

N/K 6

Decomp Text:

N/K 6

Vapor Pres:

212°F

Vapor Density:

1.3

Volatile Org Content %:

SEE INGREDIENTS

Spec Gravity:

N/K

VOC Pounds/Gallon:

SEE INGREDIENTS

pH:

N/P

Viscosity:

N/P

Evaporation Rate & Reference:

N/R

Solubility in Water:

COMPLETE

Appearance and Odor:

BROWN LIQUID, PUNGENT ODOR

Percent Volatiles by Volume:

N/K

Corrosion Rate:

N/K

Reactivity Data

Stability Indicator:

YES

ADDING WATER DIRECTLY TO PRODUCT.

MATERIALS TO AVOID:

ALKALI/ACTIVE METALS, ALKALIS, OXIDIZERS, REDUCERS, CYANIDES, SULFIDES, COMBUSTIBLES, FORMALDEHYDE, HYDROCHLORIC ACID

HAZARDOUS DECOMPOSITION PRODUCTS: HYDROGEN CHLORIDE GAS, OXIDES OF NITROGEN, CARBON, HYDROGEN GAS, BIS-CHLOROMETHYL ETHER.

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

N/K

Toxicological Information

Information:

N/P

MSDS Transport Information

Information:

N/P

Regulatory Information

Sara Title III Information:

N/P

Federal Regulatory Information:

N/P

State Regulatory Information:

N/P

Other Information:

N/P

Other Information:

N/P

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