

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-744-7440-20-2.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

7440-20-2

Code:

M

RTECS:

Code:

X

Name:

SCANDIUM

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 A NIOSH/MSHA APPROVED RESPIRATOR.

Ventilation:

LABORATORY HOOD/LOCAL EXHAUST.

Protective Gloves:

CHEMICAL RESISTANT.

Eye Protection:

CHEMICAL RESISTANT GOGGLES & FACE SHIELD

Other Protective Equipment:

Equipment CHEMICAL RESISTANT CLOTHING.

Work Hygienic Practices:

REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health:

HEALTH HAZARDS CONT'D: OVEREXPOSURE TO HYDROCHLORIC ACID CAN PRODUCE EROSION OF THE TEETH, ULCERATION OF THE MUCOUS MEMBRANES/BURNS & ULCERATION OF THE SKIN.

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:

HYDROCHLORIC ACID: INHALATION: IRRITATION OF THE MUCOUS MEMBRANES/RESPIRATORY TRACT/LUNGS. INGESTION: CORROSIVE/TOXIC. CAN CAUSE BURNS OF THE MOUTH/THROAT/ESOPHAGUS/GI TRACT. SKIN: CORROSIVE/IRRITANT/BURNS. EYES: CORROSIVE/PERMANENT EYE DAMAGE/BLINDNESS. (SEE SUPP)

Explanation Of Carcinogenicity:

SEE INGREDIENTS.

Signs And Symptoms Of Overexposure:

IRRITATION, BURNS, NAUSEA, VOMITING, DIARRHEA, BLEEDING, ULCERATIONS.

Medical Cond Aggravated By Exposure:

PRE-EXISTING CONDITIONS OF RESPIRATORY, PULMONARY, EYE/SKIN DISORDERS.

First Aid:

INHALATION: MOVE TO FRESH AIR. GIVE OXYGEN IF NECESSARY. INGESTION: DON'T INDUCE VOMITING. GIVE PLENTY OF WATER/MILK. NEVER GIVE ANYTHING BY MOUTH IF UNCONSCIOUS. SKIN/EYES: FLUSH W/WATER FOR 15 MINS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Spill Release Procedures:

NEUTRALIZE W/ACID SPILL KIT/ABSORB W/INSERT MATERIAL. PLACE MATERIAL IN A SEALED CONTAINER FOR PROPER DISPOSAL.

Neutralizing Agent:

ACID SPILL KIT.

Waste Disposal Methods:

DISPOSE OF IN ACCORDANCE W/LOCAL, STATE & FEDERAL REGULATIONS.

Handling And Storage Precautions:

KEEP CONTAINER TIGHTLY SEALED. STORE IN A COOL, DRY AREA AWAY FROM INCOMPATIBLE MATERIALS.

Other Precautions:

N/K

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

Flash Point Text:

N/R 5

Autoignition Temp:

Autoignition Temp Text:

N/A

Lower Limits:

N/R

Upper Limits:

N/R

Extinguishing Media:

N/R

Fire Fighting Procedures:

N/K

Unusual Fire/Explosion Hazard:

NOT AN EXPLOSION HAZARD.

Physical/Chemical Properties

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:

212F

Melt/Freeze Pt:

M.P./F.P. Text:

N/R

Decomp Temp:

Decomp Text:

N/R

Vapor Pres:

Vapor Density:

Volatile Org Content %:

Spec Gravity:

1

VOC Pounds/Gallon:

PH:

N/K

VOC Grams/Liter:

Viscosity:

Evaporation Rate & Reference:

N/K

Solubility in Water:

Appearance and Odor:

CLEAR, COLORLESS LIQUID W/NO ODOR.

Percent Volatiles by Volume:

N/K

Percent Volatiles by Weight:

Corrosion Rate:

N/K

Reactivity Data

Stability Indicator:

YES

Stability Condition to Avoid:

Materials To Avoid:

SODIUM METAL, ALUMINUM, STRONG BASES.

Hazardous Decomposition Products:

HYDROGEN CHLORIDE

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

Other Information:

N/P

Physical/Chemical Properties

Information:

N/P

Fire and Explosion Hazard Information

Information:

N/P

Reactivity Data

Information:

N/P

Toxicological Information

Information:

N/P

MSDS/Transport Information

Information:

N/P

Regulatory Information

Information:

N/P

Other Information

Information:

N/P

Physical/Chemical Properties

Information:

N/P

Fire and Explosion Hazard Information

Information:

N/P

Reactivity Data