

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-120/12042-91-0.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

12042-91-0

Code:

M

RTECS:

BD0550000

Code:

M

Name:

ALUMINUM CHLORHYDRATE

Other REC Limits:

N/K

OSHA PEL:

N/K

Code:

M

OSHA STEL:**Code:****ACGIH TLV:**

2 MG(AL)/CUM

Code:

M

ACGIH STEL:

N/P

Code:

2

Control Measures

Respiratory Protection:

IF >TLV, WEAR NIOSH APPROVED RESPIRATOR.

Ventilation:

GENERAL VENTILATION: SUFFICIENT. IN CONFINED AREAS, USE LOCAL EXHAUST VENTILATION TO KEEP

Protective Gloves:

CHEMICAL RESISTANT (NITRILE OR VITON)

Eye Protection:

CHEMICAL SAFETY GLASSES OR GOGGLES

Other Protective Equipment:

Equipment N/K

Work Hygienic Practices:

REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health:

PHYSICIAN NOTE: DECISION TO INDUCE VOMITING IS DONE BY PHYSICIAN. IF LAVAGE IS PERFORMED. SUGGEST ENDOTRACHEAL/ESOPHAGEAL CONTROL. DON'T ADMINISTER SYMPATHOMIMETIC DRUGS UNLESS NECESSARY. NO SPECIFIC ANTIDOTE. TREATMENT IS BASED ON PHYSICIAN'S JUDGMENT. FLASH POINT (CONT'D): 1,1 DIFLUOROETHANE.

Health Hazards Data

LD50/LC50 Mixture:

ORAL LD50 (RAT): 8,000-15,000 MG/KG

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

INHALATION: HEADACHE, DIZZINESS, NARCOTIC EFFECTS, SLUGGISHNESS, UNCONSCIOUSNESS, COMA, OR DEATH. SKIN: DEFATTING, IRRITATION, OR DERMATITIS. EYES: CORNEAL DAMAGE OR IRRITATION.

Explanation Of Carcinogenicity:

CHLORODIFLUOROMETHANE IS A SUSPECTED HUMAN CARCINOGEN.

Signs And Symptoms Of Overexposure:

INHALATION: HEADACHE, DIZZINESS, NARCOTIC EFFECTS, SLUGGISHNESS, UNCONSCIOUSNESS, COMA, OR DEATH. EYES: CORNEAL DAMAGE OR IRRITATION. SKIN: DEFATTING, IRRITATION, OR DERMATITIS. INGESTION: IRRITATION.

Medical Cond Aggravated By Exposure:

DISEASES OF THE CENTRAL NERVOUS OR CARDIOVASCULAR SYSTEM

First Aid:

EYES: FLUSH W/WATER FOR AT LEAST 15 MINS. CONTACT PHYSICIAN IF MATERIAL HAS BECOME IMMBEDDED. SKIN: WASH W/SOAP & WATER. INHALATION: REMOVE TO FRESH AIR. IF BREATHING SS, ADMINISTER RESUSCITATION O R OXYGEN IF REQUIRED. INGESTION: DON'T INDUCE VOMITING. AVOID ASPIRATION INTO THE LUNGS. NOTE TO PHYSICIAN: SEE SUPP.

Spill Release Procedures:

ABSORB W/INERT MATERIAL & DISPOSE OF IN TRASH. WEAR PROTECTIVE CLOTHING. VENTILATE AREA. DIKE THE SPILL TO PREVENT IT FROM CONTAMINATING GROUND WATER SYSTEMS. TRANSFER TO HOLDING CONTAINERS DESIGNED F OR THIS PURPOSE.

Neutralizing Agent:

N/K

Waste Disposal Methods:

RECYCLE IF POSSIBLE OR DISPOSE OF IN ACCORDANCE W/LOCAL, STATE, & FEDERAL REGULATIONS. FLAMMABLE OR COMPRESSED GAS. UN 1954.

Handling And Storage Precautions:

STORE <120F. KEEP OUT OF REACH OF CHILDREN. DON'T USE DAMAGED OR DEFORMED CANS.

Other Precautions:

N/K

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:**Flash Point Text:**

-58F (SEE SUPP) 3

Autoignition Temp:**Autoignition Temp Text:**

N/A

Lower Limits:

1.8%

Upper Limits:

16.9%

Extinguishing Media:

WATER FOG, ALCOHOL FOAM, DRY CHEMICAL, OR CO2

Fire Fighting Procedures:

WEAR SELF-CONTAINED BREATHING APPARATUS. USE WATER FOG TO COOL THE CANS. WATER FOG MAY BE USED TO COOL CANS TO PREVENT EXPLOSION.

Unusual Fire/Explosion Hazard:

HEAT CAUSES CAN TO PRESURIZE/EXPLODE SPEWING FLAMMING MATERIAL. PROPELLANT IS >AIR/TRAVELS TO IGNITION SOURCE. FLAMMABLE OR COMPRESSED GAS.

Physical/Chemical Properties

HCC:

HCC

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

165F

Melt/Freeze Pt:**M.P./F.P Text:****Decomp Temp:****Decomp Text:****Vapor Pres:**

80 PSIG

Vapor Density:

1.5

Volatile Org Content %:**Spec Gravity:**

1.29

VOC Pounds/Gallon:**PH:**

N/K

VOC Grams/Liter:**Viscosity:**

N/P

Evaporation Rate & Reference:

SLOWER THAN BU AC

Solubility in Water:

NEGLIGIBLE

Appearance and Odor:

WHITE LIQUID W/CHLORINATED ODOR.

Percent Volatiles by Volume:

91%

Corrosion Rate:

N/K

Decomposition Product:

HYDROGEN CHLORIDE, SMALL AMOUNTS OF PHOSGENE ALONG W/CO, CO2, & NITROGEN OXIDES, HYDROFLUORIC ACID & CARBONYL FLUORIDE

Stability Indicator:

NO

Conditions To Avoid Polymerization:

N/K

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