

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-744/7446-09-5.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
7446-09-5
Code:
M

RTECS:
WS4550000
Code:
M

Name:
SULFUR DIOXIDE (SARA III)

Other REC Limits:
NONE RECOMMENDED

OSHA PEL:
5 PPM
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
2 PPM/5 STEL; 9394
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
SELF-CONTAINED BREATHING APPARATUS.

Ventilation:
IN THE EVENT OF VENTS, PROVIDE MAXIMUM POSSIBLE AMOUNTS OF VENTILATION.

Protective Gloves:
3 NONE SPECIFIED BY MANUFACTURER.

Eye Protection:
NONE SPECIFIED BY MANUFACTURER.

Other Protective Equipment:
Equipment SEE STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED.

Work Hygienic Practices:
N/A

Supplemental Safety and Health:
NONE.

Health Hazards Data

LD50LC50Mixture:
ORAL LD50 (RAT) IS UNKNOWN

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
ACUTE EXPOSURE TO SULFUR DIOXIDE IS DANGEROUS TO EYES, NOSE, THROAT, SKIN, UPPER RESPIRATORY TRACT AND BRONCHI CAN PRODUCE EDEMA OF LUNGS AND GLOTTIS. RESPIRATORY PARALYSIS MAY BE FATAL. LITHIUM MAY DAMAGE SKIN.

Explanation Of Carcinogenicity:
NONE.

Signs And Symptions Of Overexposure:
IRRITATION OF NOSE, THROAT, EYES AND SKIN, SUFFOCATING ODOR.

Medical Cond Aggravated By Exposure:
2 EXPOSURE TO SULFUR DIOXIDE IS PRACTICALLY DANGEROUS TO PERSONS SUFFERING FROM ASTHMA AND OTHER RESPIRATORY DISEASES.

First Aid:
IF CELL VENTS, PERSONNEL SHOULD BE EVACUATED FROM CONTAMINATED AREAS. ARTIFICIAL RESPIRATION SHOULD BE GIVEN IF BREATHING SS. SUMMON MEDICAL HELP.

Spill Release Procedures:
KEEP OUT OF AREA UNLESS A SELF-CONTAINED BREATHING APPARATUS, IMPERVIOUS CLOTHING AND GLOVES ARE USED. PROVIDE MAXIUM VENTILATION TO CLEAR OUT TOXIC GASES.

Neutralizing Agent:
NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:
CELLS ARE CONSIDERED TO BE A HAZARDOUS WASTE BECAUSE OF ACTIVITY. LAND DISPOSAL IS PROHOBITED UNLESS CELLS ARE TREATED SO AS TO RENDER THEM NON-TOXIC.

Handling And Storage Precautions:
LI/SO2 CELLS AND BATTERIES SHOULD BE STORED IN A WELL-VENTILATED, SPRINKLER PROTECTED, NONCOMBUSTIBLE STRUCTURE WITH ADEQUATE CLERANCE BETWEEN WALLS.

Other Precautions:
DO NOT REMOVE OR BYPASS PROTECTIVE ELECTRICAL OR THERMAL FUSES. DO NOT HEAT ABOVE 200F.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
42.0F,5.6C CH3CN

Autoignition Temp:

Autoignition Temp Text:
N/R

Lower Limits:
4.4

Upper Limits:
16

Extinguishing Media:
LITH-X FOR LITHIUM FIRE, USE WATER TO KEEP CELLS COOL.

Fire Fighting Procedures:
USE SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:
BATTERIES CAN VENT WHEN SUBJECT TO EXCESSIVE HEAT, EXPOSING CELL CONTENTS.

Physical/Chemical Properties

HCC:
Z6

NRC/State LIC No:
N/R

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
14F,-10C

Melt/Freeze Pt:

M.P/F.P Text:
104F,40C

Decomp Temp:

Decomp Text:
N/R

Vapor Pres:
760 MMHG

Vapor Density:
2.25

Volatile Org Content %:

Spec Gravity:
1.42

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/R

Evaporation Rate & Reference:
N/K

Solubility in Water:
N/K

Appearance and Odor:
LI-SOFT, SILVERY META. CH3CN-COLORLESS LIQUID, ACRID ODOR. SO2-COLORLESS GAS.

Percent Volatiles by Volume:
N/R

Corrosion Rate:
N/R

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
BATTERY CONTAINS HERMATICALLY SEALED CELLS & IS NONREACTIVE PROVIDED BATTERY INTEGRITY IS MAINTAINED & CELL REMAINS ASIS

Materials To Avoid:
N/A

Hazardous Decomposition Products:
N/A

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
HEATING, MECHANICAL ABUSE THAT MAY PRODUCE VENTING, ELECTRICAL ABUSE SUCH AS RECHARGING, VOLTAGE REVERSAL, SHORT CIRCUIT

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