

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-780/7803-51-2.html> for suppliers of this product.

Composition/Information on Ingredient

7803-51-2
Code:
M

RTECS:
SY7525000
Code:
M

Name:
PHOSPHINE (SARA 302) (CERCLA); PRODUCED AS A RESU

Other REC Limits:
NONE RECOMMENDED

OSHA PEL:
0.3 PPM
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
0.3 PPM/1 STEL; 9596
Code:
M

ACGIH STEL:
N/P
Code:

Control Measures

NIOSH/MSHA APPROVED FULL FACE MASK-PHOSPHINE CANISTER COMBINATION MAY BE USED AT LEVELS UP TO 15 PPM.

Ventilation:
FORCED AIR VENTILATION AND/OR APPROPRIATE WORK PRACTICES.

Protective Gloves:
DRY GLOVES OR COTTON OR OTHER MATERIAL.

Eye Protection:
SAFETY GLASSES.

Other Protective Equipment:
EQUIPMENT FOR DETECTION OF PHOSPHINE SHOULD BE USED.

Health Hazards Data

LD50LC50Mixture:
N/P

Route Of Entry Inds - Inhalation:
YES

Skin:
NO

Ingestion:
YES

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
HIGHLY TOXIC. TARGET ORGANS: LIVER, KIDNEY, LUNGS, NERVOUS SYSTEM, AND CIRCULATORY SYSTEM. INHALATION: LUNG EDEMA, HYPEREMIA, SMALL PERIVASCULAR BRAIN HEMORRHAGES AND BRAIN EDEMA. INGESTION: CAUSES L UNG AND BRAIN SYMPTOMS.

Explanation Of Carcinogenicity:
N/R

Signs And Symptoms Of Overexposure:
MILD POISONING, NAUSEA, WEEKNESS, PRESSING SENSATIONS IN CHEST, COUGH, HEADACHE, RINGING IN EARS, UNEASINESS.

Medical Cond Aggravated By Exposure:
N/P

First Aid:
EYES: FLUSH WITH PLENTY OF WATER FOR 15 MIN. AND GET MEDICAL ATTENTION. SKIN: BRUSH MATERIAL OFF CLOTHES AND SHOES. WASH CONTAMINATED SKIN WITH SOAP AND WATER. INHALATION: GET EXPOSED PERSON TO FRESH AIR. KEEP WARM AND MAKE SURE PERSON CAN BREATHE FREELY. ASSIST W/ BREATHING SUPPORT MEASURES IF NEEDED. INGESTION: CALL A PHYSICIAN OR POISON CONTROL CENTER. DRINK OR ADMINISTER WATER & INDUCE VOMITING.

Spill Release Procedures:
A SPILL CAN PRODUCE GAS. ATTENDING PERSONNEL MUST WEAR SCBA OR ITS EQUIVALENT TO CLEAN UP SPILL.

Neutralizing Agent:
N/P

Waste Disposal Methods:
DISPOSE OF AS HAZARDOUS WASTE. FOLLOW ALL APPLICABLE LOCAL, STATE OR FEDERAL REGULATIONS.

Handling And Storage Precautions:
STORE IN A DRY, WELL VENTILATED AREA, AWAY FROM HEAT AND UNDER LOCK AND KEY.

Other Precautions:
DO NOT EXPOSE PRODUCT TO MOISTURE.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
SOLID IGNITES

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
1.79

Upper Limits:
N/P

Extinguishing Media:
3 CARBON DIOXIDE. IT IS BETTER TO VENTILATE THE AREA REDUCING THE CONCENTRATION BELOW FLAMMABLE LIMITS.

Fire Fighting Procedures:
DO NOT USE WATER. WHEN FIGHTING A FIRE, WEAR MSHA/NIOSH APPROVED PRESSURE-DEMAND SCBA.

Unusual Fire/Explosion Hazard:
TOXIC GASES MAY BE RELEASED IN A FIRE.

Physical/Chemical Properties

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
N/R

Melt /Freeze Pt:

M.P/F.P Text:
N/P

Decomp Temp:

Decomp Text:
N/P

Vapor Pres:
N/K

Vapor Density:
1.17

Volatile Org Content %:

Spec Gravity:
N/R

VOC Pounds/Gallon:

PH: N/P

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
N/P

Solubility in Water:
SLIGHTLY SOLUBLE

Appearance and Odor:
SOLID GRAY-GREEN. PRODUCES A COLORLESS GAS. 4

Percent Volatiles by Volume:
N/P

Corrosion Rate:
N/P

Reactivity Data

Stability Indicator:

Stability Condition To Avoid:
N/P

Materials To Avoid:
WATER AND MANY LIQUIDS.

Hazardous Decomposition Products:
PHOSPHINE GAS.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
N/R

Toxicological Informa

Information:N/P

MCDC Tr

Information:N/P

Regulatory Information

Federal Regulatory Information: N/P

State Regulatory Information: N/P

Other Information

Other Information:N/P

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The above information is believed to be true and correct.