

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-113/1132-61-2.html> for suppliers of this product.

Composition/Information on Ingredient

1132-61-2

Code:
F

RTECS:
QE9104530

Code:
F

Name:
3-MORPHOLINOPROPANOSULFONIC ACID

Other REC Limits:
N/K (FP N)

OSHA PEL:
N/K (FP N)

Code:
M

OSHA STEL:
N/K (FP N)

Code:
M

ACGIH TLV:
N/K (FP N)

Code:
M

ACGIH STEL:
N/K (FP N)

Code:
M

Respiratory Protection:
NIOSH APPROVED RESPIRATOR

Ventilation:
MECHANICAL EXHAUST REQUIRED.

Protective Gloves:
RUBBER GLOVES.

Eye Protection:
ANSI APPROVED CHEMICAL WORKERS GOGGLES (FP N).

Other Protective Equipment:
Equipment EYEWASH AND DELUGE SHOWER MEETING ANSI DESIGN CRITERIA (FP N).

Work Hygienic Practices:
WASH THOROUGHLY AFTER HANDLING.

Health Hazards Data

N/P

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
ACUTE: INHALATION: MAY BE HARMFUL BY INHALATION. MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT. EYES: CAUSES SEVERE EYE IRRITATION. SKIN: CAUSES SKIN IRRITATION, MAY BE HARMFUL BY SKIN ABSORPTION. PROLONGED OR REPEATED EXPOSURE TO SKIN CAUSES DEFATTING AND DERMATITIS. INGESTION: MAY BE HARMFUL IF SWALLOWED. CAN CAUSE CNS DEPRESSION. PROLONGED EXPOSURE CAN CAUSE NAUSEA, HEADACHE, AND VOMITING NARCOTIC EFFECT. CHRONIC: TARGET ORGANS: NERVES, KIDNEYS.

Explanation Of Carcinogenicity:
N/P

Signs And Symptoms Of Overexposure:
SEE HEALTH HAZARDS. CHEMICAL CHARACTERIZATION: AQUEOUS SOLUTION OF 750 MM SODIUM CHLORIDE, 50 MM 3-MORPHOLINOPROPANESULFONIC ACID, 15% ISOPROPANOL, PH 7.0.

Medical Cond Aggravated By Exposure:
3 N/P

First Aid:
EYES: IMMEDIATELY FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE FLUSHING OF THE EYES BY SEPARATING THE EYELIDS WITH FINGERS. SKIN: IMMEDIATELY WASH WITH SOAP AND COPIOUS AMOUNTS OF WATER. INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. INGESTION: WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN. REMOVE AND WASH CONTAMINATED CLOTHING PROMPTLY.

Spill Release Procedures:
SHUT OFF ALL SOURCES OF IGNITION. EVACUATE AREA. WEAR NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY RUBBER GLOVES. ABSORB ON SAND OR VERMICULITE AND PLACE IN CLOSED CONTAINERS FOR DISPOSAL. USE NON-SPARKING TOOLS. VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

Neutralizing Agent:
N/P

Waste Disposal Methods:
THERE ARE NO UNIFORM REGS FOR DISP OF CHEMS/RESIDUES. CHEM RESIDUES GENERALLY COUNT AS SPECIAL WASTE. MFR RECOMMENDS THAT YOU CONTACT EITHER AUTHORITIES IN CHARGE/APPROVED WASTE DISPOSAL COMPANIES WHICH WILL ADVISE YOU ON HOW TO DISPOSE OF SPECIAL WASTE. HANDLE CONTAMINATED PACKAGING IN SAME WAY AS SUBSTANCE ITSELF. (SUP DAT)

Handling And Storage Precautions:
STORE TIGHTLY CLOSED AT 20-25C. KEEP TIGHTLY CLOSED. DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING. DO NOT BREATHE VAPOR. SEVERE EYE IRRITANT. KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME. STORE IN A COOL DRY PLACE.

Other Precautions:
N/P

Flash Point Method:
N/A

Flash Point:
=29.C, 84.2F

Flash Point Text:

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
N/A

Upper Limits:
N/A 4

Extinguishing Media:
CARBON DIOXIDE, DRY CHEMICAL POWDER, OR APPROPRIATE FOAM.

Fire Fighting Procedures:
WEAR NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT (FP N). USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS.

Unusual Fire/Explosion Hazard:
VAPOR MAY TRAVEL CONSIDERABLE DISTANCE TO SOURCE OF IGNITION AND FLASH BACK. CONTAINER EXPLOSION MAY OCCUR UNDER FIRE CONDITIONS.

Physical/Chemical Properties

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
N/A

Melt/Freeze Pt:

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

Decomp Temp:

Decomp Text:
N/P

Vapor Pres:
N/A

Vapor Density:
N/P

Volatile Org Content %:

Spec Gravity:
1.007 G/CM3 @ 20C

VOC Pounds/Gallon:

PH: 7.0 @ 20C

VOC Grams/Liter:

Viscosity:
N/A

Evaporation Rate & Reference:
N/P

Solubility in Water:
SOLUBLE @ 20C

Appearance and Odor:
COLORLESS LIQUID WITH CHARACTERISTIC ODOR.

Percent Volatiles by Volume:
N/P

Corrosion Rate:
N/P

Reactivity Data

Stability Condition To Avoid

N/P

Materials To Avoid:
OXIDIZING AGENTS, ACIDS, ACID ANHYDRIDES, HALOGENS, AND ALUMINUM.

Hazardous Decomposition Products:
TOXIC FUMES OF CARBON MONOXIDE AND CARBON DIOXIDE.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
N/P

Toxicological Information

Information: N/P

MSDS Transport Informa

Information:N/P

Regulatory Information

Sara Title III Info

State Regulatory Information: N/P

Other Information

Other information: / /

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only as a gu

applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional

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