MATERIAL SAFETY DATA SHEET For R&D use only. Not for drug, household or other uses.

Cas:

110-46-3 Code: Μ

RTECS: NT0187500

Code: Μ

Name:

Other REC Limits:

NOT ESTABLISHED

OSHA PEL:

OSHA STEL:

ACGIH TLV:

ACGIHSTEL:

Ventilation: ADEQUATE

Protective Gloves:

Eye Protection:

RUBBER OR NEOPRENE 4

CHEMICAL SAFETY GOGGLES

Supplemental Safety and Health:

BLOOD MAY BE CONSIDERED.

LD50 (ORAL, RAT) IS 505 MG/KG.

Carcinogenicity Inds - NTP:

Health Hazards Acute And Chronic:

Explanation Of Carcinogenicity:

SEE A PHYSICIAN IMMEDIATELY.

Spill Release Procedures:

Waste Disposal Methods:

Handling And Storage Precautions:

Neutralizing Agent: NOT RELEVANT

Other Precautions:

RERACH OF CHILDREN.

Flash Point Method:

N/P

N/K

HCC: F2

NRC/State LIC No: **NOT RELEVANT**

Boiling Point:

Melt/Freeze Pt:

M.P/F.P Text: UNKNOWN

Decomp Temp:

Decomp Text: UNKNOWN

Vapor Pres: UNKNOWN

Vapor Density:

Spec Gravity:

VOC Pounds/Gallon:

VOC Grams/Liter:

Solubility in Water:

Corrosion Rate:

Stability Indicator:

Materials To Avoid: REDUCING AGENTS

UNKNOWN

Appearance and Odor:

Percent Volatiles by Volume:

Reactivity Data

Stability Condition To Avoid:

Hazardous Decomposition Products:

Hazardous Polymerization Indicator:

Conditions To Avoid Polymerization:

Toxicological Information

Regulatory Information

Sara Title III Information: N/P

Federal Regulatory Information: N/P

State Regulatory Information: N/P

Other Information

Look for Chemicals

www.lookchem.com

Other Information:N/P

MSDS Transport Information

HEAT, SPARKS, FLAMES AND OTHER SOURCES OF IGNITION

Evaporation Rate & Reference:

5 GLASS SEALED CONTAINER WITH PAD IMPREGNATED WITH YELLOW LIQUID - FRUITY ODOR

CARBON MONOXIDE, CARBON DIOXIDE, OXIDES OF NITROGEN, TOXIC FUMES MAY BE FORMED.

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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is 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

WARRANTY

terms and conditions of sale.

0.872

PH: N/R

Viscosity: **UNKNOWN**

UNKNOWN

SLIGHT

N/K

YES

NO

NOT RELEVANT

Information:N/P

Information:N/P

Volatile Org Content %:

B.P. Text: 207F,97C

Net Prop WT For Ammo:

Flash Point:

Flash Point Text: 50.0F,10.0C

Autoignition Temp:

Lower Limits: UNKNOWN

Upper Limits: UNKNOWN

Extinguishing Media:

Fire Fighting Procedures:

Unusual Fire/Explosion Hazard:

MAY RUPTURE DUE TO VAPOR PRESSURE BUILDUP.

Physical/Chemical Properties

Autoignition Temp Text:

Signs And Symptions Of Overexposure:

Medical Cond Aggravated By Exposure:

Route Of Entry Inds - Inhalation:

Health Hazards Data

Other Protective Equipment:

Work Hygienic Practices:

LD50LC50Mixture:

YES

Skin: YES

NO

NO

IARC: NO

OSHA: NO

NONE

UNKNOWN

First Aid:

Ingestion:

NOT ESTABLISHED

Control Measures

SUPPLIED AIR RESPIRATOR MAY BE WORN.

Equipment EYE BATH, WASHING FACILITIES

OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

KEY1:F3. KIT CONSISTS OF AMYL NITRITE INHALANT (PNI A), SODIUM NITRITE INJECTION (PNI B) AND SODIUM

A 1% METHYLENE BLUE SOLUTION MAY BEGIVEN INTRAVENOUSLY FOR TREATMENT. TRANSFUSION OF WHOLE

THIOSULFATE INJECTION (PNI C). NOTE TO PHYSICIAN: IF METHEMOGLOBINEMIA IS SUSPECTED, ADMINISTER OXYG EN.

TARGET ORGANS: EYES, SKIN, BLOOD, LIVER, KIDNEY, RESPIRATORY TRACT. ACUTE- MAY BE ABSORBED THROUGH SKIN. MAY IRRITATE EYES, SKIN & MUCOUS MEMBRANES. EXCESSIVE DOSES CAN INDUCE METHEMOGLOBINEMIA CAUSING DEATH. MAY CAUSE SKIN RASH,

GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED: MOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES: FLUSH WITH WATER

ADMINISTER ACTIVATED CHARCOAL WITH 2-3 GLASSES OF WATER. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

AVOID BREATHING VAPORS, AVOID EYE OR SKIN CONTACT, WASH WITH SOAP AND WATER BEFORE EATING OR DRINKING, KEEP OUT OF

WATER SPRAY, CARBON DIOXIDE, HALON, FOAM/DRY CHEMICAL. USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS.

VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK. CONTAINERS

WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.

FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN: WASH WITH SOAP & WATER. ORAL: DO NOT INDU CE VOMITING. IF AVAILABLE,

WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. PICK UP SPILL WITH NON-FLAMMABLE

INCREASED BLOOD PRESSURE & HEART RATE. CHRONIC- MAY EFFECT BLOOD, LIVER, KIDNEYS.

IRRITATION, HEADACHE, COUGH, NAUSEA, BLUE SKIN, VOMITING, SHOCK, COMA

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. 3

Fire and Explosion Hazard Information

KEEP IN COOL, VENTILATED AREA AWAY FROM IGNITION SOURCES AND REDUCING AGENTS.

ABSORBENT. PLACE IN A SUITABLE CONTAINER FOR DISPOSAL.

Respiratory Protection:

Code:

Code:

Code: Μ

NΡ Code:

Μ

NONE RECOMMENDED

AMYL NITRITE/ISOPENTYL ALCOHOL, NITRITE

Click http://www.lookchem.com/cas-110/110-46-3.html for suppliers of this product.

Composition/Information on Ingredient

IF THE TLV IS EXCEEDED, A NIOSH-APPROVED CHEMICAL CARTRIDGE RESPIRATOR MAY BE USED. ALTERNATIVELY, A