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

Click http://www.lookchem.com/cas-101/10102-44-0.html for suppliers of this product.

10102-44-0 Code: Μ **RTECS:**

RESPIRATORY APPROVED BY NIOSH FOR NITRIC ACID/NITROGEN DIOXIDE GASES

Equipment DON'T WEAR CONTACT LENSES. FULL PROTECTIVE CLOTHING BOOTS.

MSDS DATE: 03/80. SUPPLIER: ATOMERGIC CHEMETALS CORP, FARMINGDALE, NY.

ALL HANDLING SHOULD BE DONE IN A CLOSED VENTILATION.

Code: Μ

NΡ Code:

ACGIHSTEL:

Ventilation:

NEOPRENE

NP

N/P

Skin: YES

NO

N/P

IARC: N/P

OSHA: N/P

N/R

N/P

N/P

N/P

N/A

N/R

N/R

N/K

HCC: D1

NRC/State LIC No:

Boiling Point:

Melt/Freeze Pt:

M.P/F.P Text:

Decomp Temp:

Decomp Text:

Vapor Pres:

Vapor Density:

Spec Gravity:

VOC Pounds/Gallon:

VOC Grams/Liter:

Evaporation Rate & Reference:

YELLOW TO RED BROWN, CLEAR, STRONGLY-FUMING LIQ

INCREASING TEMP CAUSES MORE RAPID EVOLUTION OF THE NOX.

METALS/HYDROGEN SULFIDE/TURPENTINE/CARBIDES/ALKALIS/FLUORINE

BOILING CAUSES HAZARDOUS MIST(ACID/OXIDIZING) TO BE EVOLVED.

WARRANTY

terms and conditions of sale.

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

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

Volatile Org Content %:

139

1.58

1.55

PH: N/P

Viscosity:

(BUAC = 1):

COMPLETE

14%

N/P 5

YES

Solubility in Water:

Corrosion Rate:

Stability Indicator:

Materials To Avoid:

Information:N/P

Information:N/P

Appearance and Odor:

Percent Volatiles by Volume:

Reactivity Data

Stability Condition To Avoid:

Hazardous Decomposition Products:

Hazardous Polymerization Indicator:

Conditions To Avoid Polymerization:

TOXIC NITROGEN OXIDES WILL BE RELEASED.

Toxicological Information

Regulatory Information

Sara Title III Information: N/P

Federal Regulatory Information: N/P

State Regulatory Information: N/P

Other Information

www.lookchem.com

Other Information:N/P

MSDS Transport Information

B.P. Text: 64.2C

Net Prop WT For Ammo:

Lower Limits:

Upper Limits:

Extinguishing Media:

Fire Fighting Procedures:

Unusual Fire/Explosion Hazard:

Flash Point:

Flash Point Text: NOT FLAMMABLE

Autoignition Temp:

Autoignition Temp Text:

MAY BE DELAYED.

Neutralizing Agent:

Spill Release Procedures:

Waste Disposal Methods:

BREATHE THESE GASES.

Other Precautions:

Flash Point Method:

Handling And Storage Precautions:

Ingestion:

Eye Protection:

Protective Gloves:

Control Measures

4 GLASSES/FACESHIELD/GOGGLE

Other Protective Equipment:

Supplemental Safety and Health:

Health Hazards Data

Route Of Entry Inds - Inhalation:

Carcinogenicity Inds - NTP:

Health Hazards Acute And Chronic:

Signs And Symptions Of Overexposure:

Medical Cond Aggravated By Exposure:

Explanation Of Carcinogenicity:

ACID GASES OR MIST CAUSES SEVERE BURNS, CAN BE FATAL IF INGESTED.

Fire and Explosion Hazard Information

NOX MAY BE PRESENT FROM VENTED OR RUPTURED CONTAINERS.

Physical/Chemical Properties

SKIN, EYES, NOSE, LUNG, MOUTH, THROAT & UPPER RESPIRATORY SYSTEM IRRITATION; BURNS, CONJUNCTIVITIS

DISPOSAL OF RED FUMING NITRIC ACID MAY BE SUBJECT TO FEDERAL, STATE, & LOCAL REGULATIONS.

AVOID INHALATION OF VAPORS OR MISTS & ALL BODILY CONTACT. KEEP AWAY FROM INCOMPATIBLE SUBSTANCES.

IF WATER IS ADDED, VIOLENT SPATTERING CAN OCCUR. CONSIDERABLE HEAT IS EVOLVED WHEN CONTACTED W/WATER

SKIN/EYES: FLUSH W/WATER FOR AT LEAST 15 MINS. REMOVE CONTAMINATED CLOTHING. INGESTION: DRINK MILK TO ACID. DON'T INDUCE VOMITING. INHALATION: CARRY TO UNCONTAMINATED AREA/KEEP QUIET. GET PROMPT MED A TT. EFFECTS OF INHALATION

GOOD VENTILATION IS NECESSARY. PERSON EXPOSED SHOULD WEAR FULL PROTECTIVE EQUIPMENT.ILUTE SMALL SPILLS CAUTIOUSLY W/PLENTY OF WATER IF THE RESULTING SPATTERG & VIOLENT REACTION CAN BE SAFELY CONTAINED, THEN NEUTRALIZED W/ALKALI.

3 STORE IN A WELL-VENTILATED, PROPERLY-DRAINED SITE, AWAY FROM HEAT & OUT OF SUN. PROTECT FROM PSICAL DAMAGE. DON'T

Work Hygienic Practices:

LD50LC50Mixture:

Respiratory Protection:

QW9800000 Code: Μ

Cas:

Composition/Information on Ingredient

NITROGEN DIOXIDE (SARA III) **Other REC Limits:** NR

Name:

OSHA PEL: C,5 PPM Code: Μ **OSHA STEL:**

Code: **ACGIH TLV:** 3 PPM/5 STEL; 9293