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

Click http://www.lookchem.com/cas-123/1239-45-8.html for suppliers of this product.

Composition/Information on Ingredient

1239-45-8 Code:

RTECS: SF7950000 Code:

Name:

NΡ

NΡ Code:

NΡ Code:

NΡ Code:

OSHA PEL: NΡ Code:

OSHA STEL:

ACGIH TLV:

ACGIHSTEL:

Ventilation:

Protective Gloves:

Eve Protection:

Control Measures

CHEMICAL RESISTANT GLOVES.

Other Protective Equipment:

Supplemental Safety and Health:

Health Hazards Data

SEE TOXICOLOGICAL INFORMATION.

Route Of Entry Inds - Inhalation:

Carcinogenicity Inds - NTP:

Health Hazards Acute And Chronic:

MUTAGEN IN HUMANS. 2

SEE HEALTH HAZARDS.

Spill Release Procedures:

Waste Disposal Methods:

Handling And Storage Precautions:

Neutralizing Agent:

REGULATIONS (FP N).

Other Precautions:

Flash Point Method:

Flash Point:

N/A

Flash Point Text:

Autoignition Temp:

Lower Limits:

Upper Limits:

Extinguishing Media:

NRC/State LIC No:

Boiling Point:

Melt/Freeze Pt: >260.C, 500.F

M.P/F.P Text: 260C - 262C

Decomp Temp:

Decomp Text:

Vapor Pres:

Vapor Density:

Spec Gravity:

PH: N/P

Viscosity:

SOLUBLE

N/P

YFS

VOC Pounds/Gallon:

VOC Grams/Liter:

Solubility in Water:

Corrosion Rate:

Stability Indicator:

Materials To Avoid:

Information:N/P

Information:N/P

HYDROGEN BROMIDE GAS.

Appearance and Odor: PURPLE-RED SOLID.

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

www.lookchem.com

Other Information:N/P

MSDS Transport Information

STABLE UNDER NORMAL HANDLING PROCEDURES.

AVOID CONTACT WITH STRONG OXIDIZING AGENTS. 5

UPON THERMAL DECOMPOSITION, MAY EMIT TOXIC GASES INCLUDING CARBON MONOXIDE, CARBON DIOXIDE, NITROGEN OXIDES, AND

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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.

Evaporation Rate & Reference:

Volatile Org Content %:

N/P

N/P

B.P. Text: N/P

Net Prop WT For Ammo:

Fire Fighting Procedures:

Unusual Fire/Explosion Hazard:

Autoignition Temp Text:

N/P

Explanation Of Carcinogenicity:

Signs And Symptions Of Overexposure:

Medical Cond Aggravated By Exposure:

PHYSICIAN. IF BREATHING SS, GIVE ARTIFICIA

VENTILATE AREA AFTER MATERIAL PICKUP IS COMPLETE.

SHOWER & AN EYE WASH STATION. WASH THOROUGHLY AFTER HANDLING MATERIAL.

3 MATERIAL SHOULD ONLY BE HANDLED BY QUALIFIED, EXPERIENCED PROFESSIONALS.

DRY CHEMICAL POWDER, CARBON DIOXIDE, WATER SPRAY, ALCOHOL OR POLYMER FOAM.

WEAR NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N).

UPON THERMAL DECOMPOSITION, IT MAY EMIT TOXIC GASES.

Physical/Chemical Properties

Fire and Explosion Hazard Information

Work Hygienic Practices:

C*21H*20N*3. BR.

LD50LC50Mixture:

Skin: YES

IARC: NO

OSHA: NO

N/P

First Aid:

Ingestion: YES

USE A NIOSH APPROVED RESPIRATOR.

WASH THOROUGHLY AFTER HANDLING.

HANDLE IN A CHEMICAL FUME HOOD WITH ADEQUATE VENTILATION.

Equipment ANSI APPROVED EMERGENCY EYEWASH AND DELUGE SHOWER (FP N). 4

SYNONYMS: ETHIDIUM BROMIDE; HOMODIUM BROMIDE. MOLECULAR WEIGHT: 394.3. MOLECULAR FORMULA:

ACUTE: MAY BE HARMFUL BY INGESTION, INHALATION OR ABSORPTION THROUGH SKIN. MATERIAL MAY CAUSE IRRITATION TO THE EYES, SKIN, MUCOUS MEMBRANES, AND UPPER RESPIRATORY TRACT. CHRONIC: THERE IS LIMITED EVI DENCE THAT ETHIDIUM BROMIDE IS MUTAGENIC IN LABORATORY CELL CULTURES. UNTIL FURTHER TESTING HAS BEEN DONE, IT SHOULD BE TREATED AS A POSSIBLE

SKIN: WASH IMMEDIATELY WITH SOAP AND COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES AND WASH BEFORE WEARING. CONSULT A PHYSICIAN. EYES: FLUSH IMMEDIATELY WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE FLUSHING BY SEPARATING THE EYELIDS WITH FINGERS. CONSULT A PHYSICIAN. INHALATION: REMOVE TO FRESH AIR AND MONITOR BREATHING. IF BREAT HING BECOMES DIFFICULT, GIVE OXYGEN AND CONSULT A

EVACUATE AREA. WEAR A NIOSH APPROVED RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS, AND HEAVY RUBBER GLOVES. SWEEP UP AND PLACE IN A SUITABLE CONTAINER. AVOID RAISING DUST. HOLD FOR APPROPRIATE DI SPOSAL. WASH SPILL SITE AND

COUNTRY, FEDERAL, STATE, & LOCAL REGULATIONS ARE VARIED & CHANGE FREQUENTLY. FOR THIS REASON, MANUFACTURER RECOMMENDS THAT YOU CONTACT YOUR LOCAL DEPARTMENT OF HEALTH SERVICES FOR INFORMATION ON THE D ISPOSAL OF THIS PRODUCT/ARRANGE FOR DISPOSAL BY A LICENSED DISPOSAL COMPANY. DISPOSE OF IN ACCORDANC E WITH LOCAL, STATE, & FEDERAL

STORE IN A TIGHTLY CLOSED CONTAINER IN A COOL, DRY PLACE (+20C). PROTECT FROM LIGHT. MATERIAL IS AN IRRITANT. POSSIBLE MUTAGEN. AVOID CONTACT W/MATERIAL. AVOID PROLONGED/REPEATED EXPOSURE. LAB SHOULD BE EQUIPPED WITH A SAFETY

ANSI APPROVED CHEMICAL WORKERS GOGGLES (FP N).

Respiratory Protection:

Other REC Limits:

ETHIDIUM BROMIDE Environmental Wt: Other REC Li