

BROMINE COMPOUNDS LTD -- TETRABROMOETHANE -- 9160-00-209-8020

===== Product Identification =====

Product ID:TETRABROMOETHANE

MSDS Date:11/01/1991

FSC:9160

NIIN:00-209-8020

MSDS Number: BXQCW

=== Responsible Party ===

Company Name:BROMINE COMPOUNDS LTD

CAGE:KO624

=== Contractor Identification ===

Company Name:BROMINE COMPOUNDS LTD

CAGE:KO624

Company Name:UEHLING INSTRUMENT CO

Box:2157

City:PATTERSO

N

State:NJ

ZIP:07509-2157

Country:US

Phone:201-742-8710

CAGE:61543

===== Composition/Information on Ingredients =====

Ingred Name:TETRABROMOETHANE

CAS:79-27-6

RTECS #:KI8225000

Fraction by Wt: 98.6%

===== Hazards Identification =====

LD50 LC50 Mixture:LD50: (ORAL,RAT) 1100 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: EYE-MILD IRRIT

ANT.

SKIN-MODERATE IRRITANT. INHALATION-MAY CAUSE BILIRIUBINURIA,  
MONOCYTOSIS, PULMONARY EDEMA, LIVER AND KIDNEY DAMAGES. CHRONIC:  
PROLONGED EXPOSURE TO TBE MAY CAUSE LIVER AND KI DNEY DAMAGE.

Explanation of Carcinogenicity:MUTAGENICITY: POSITIVE.

Effects of Overexposure:INHALATION-IRRITATION OF THE THROAT, HEADACHE,  
ABDOMINAL CRAMPS, VOMITING, ANOREXIA, DROWSINESS, YELLOWING OF THE  
SKIN, DARK URINE AND UNCONSCIOUSNESS IN SEVERE CASES.

Medical Cond Aggravated by Exposure:NONE

SPECIFIED BY MANUFACTURER.

===== First Aid Measures =====

First Aid:EYES-FLUSH EYES PROMPTLY WITH COPIOUS FLOWING WATER FOR 15 MINUTES. GET MEDICAL AID. SKIN-REMOVE CLOTHING. WASH SKIN WITH MILD SOAP & PLENTY OF WATER. GET MEDICAL AID. INHALATION-REMOVE PERSON TO FRES H AIR. KEEP QUIET & WARM. APPLY ARTIFICIAL RESPIRATION IF NEEDED & GET MEDICAL AID. INGESTION-WASH MOUTH WITH PLENTY OF WATER & GIVE WATER OR MILK TO DRINK. GET MEDICAL A ID.

===== Fire Fighting Measures =====

Flash Point:NON-FLAMMABLE  
Autoignition Temp:Autoignition Temp Text:335C  
Extinguishing Media:MATERIAL IS NOT COMBUSTIBLE. IF INVOLVED IN FIRE, USE EXTINGUISHING MEDIA APPROPRIATE TO SURROUNDING CONDITIONS.  
Fire Fighting Procedures:COOL CONTAINERS WITH WATER SPRAY. IN CLOSED STORES, PROVIDE FIRE-FIGHTERS WITH SELF-CONTAINED BREATHING APPARATUS IN POSITIVE PRESSURE MODE.  
Unusual Fire/Explosion Hazard:WILL DECOMPOS E ABOVE 239C, RELEASING POISONOUS & CORROSIVE FUMES OF BROMINE, HYDROGEN BROMIDE & CARBONYL BROMIDE.

===== Accidental Release Measures =====

Spill Release Procedures:EVACUATE AREA. WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS & HEAVY RUBBER GLOVES. ABSORB ON SAND OR VERMICULITE & PLACE IN CLOSED CONTAINER FOR DISPOSAL. VENTILATE AREA AND WASH SPILL SITE A FTER MATERIAL PICKUP IS COMPLETE.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER

===== Handling and Storage =====

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. STORE IN A DRY, COOLL, VENTILATED AREA AWAY FROM INCOMPATIBLE MATERIALS. AVOID BODILY CONTACT.  
Other Precautions:SAFETY SHOWER AND EYE BATH SHOULD BE PROVIDED. DO NOT EAT, DRINK OR SMOKE UNTIL AFTER WORK ABLUTION.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:APPROVED RESPIRATOR.  
Ventilation:VENTILATION

MUST BE SUFFICIENT TO MAINTAIN DUST BELOW TLV  
(1 PPM).

Protective Gloves:PROTECTIVE GLOVES.

Eye Protection:CHEMICAL SAFETY GOGGLES.

Other Protective Equipment:BODY COVERING CLOTHES AND BOOTS.

Work Hygienic Practices:WASH CLOTHES THOROUGHLY AFTER BEING  
CONTAMINATED.

Supplemental Safety and Health  
POISON.

===== Physical/Chemical Properties =====

HCC:T4

Boiling Pt:B.P. Text:246F,119C

Melt/Freeze Pt:M.P/F.P Text:30.2F,-1C

Vapor Pres:0.04 MMHG

Vapor Density:11.92

Spec Gravity:2.96

Evaporation Rate & Reference:>100(ETHYL ETHER=1)

Solubility in Water:0.063@20C

Appearance and Odor:COLORLESS TO YELLOWISH LIQUID WITH SWEET PUNGENT  
ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

REACTS W/CHEMICALLY ACTIVE METALS OR STRONG CAUSTICS.

Stability Condition to Avoid:HIGH TEMPERATURES. IN THE PRESENCE OF  
STEAM, CONTACT WITH HOT IRON, ALUMINUM & ZINC MAY CAUSE FORMATION  
OF TOXIC VA  
PORS.

Hazardous Decomposition Products:HYDROGEN BROMIDE, BROMINE AND CARBONYL  
BROMIDE.

===== Disposal Considerations =====

Waste Disposal Methods:DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE  
SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN  
AFTERBURNER AND SCRUBBER. OBSERVE ALL FEDERAL, STATE OR LOCAL  
REGULATIONS WHE DISPOSING OF THIS SUBSTANCE.

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