

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 FRESH 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 AID.

=====
===== 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 DECOMPOSE 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 AFTER 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, COOL, 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.

Disclaimer (provided with this information by the compiling agencies):
This informat

ion is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.