

MORRE-TEC INDUSTRIES INC -- TETRABROMOETHANE (KING P/N 2992 RED INDICAT --
9160-00-343-2025

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

Product ID:TETRABROMOETHANE (KING P/N 2992 RED INDICAT

MSDS Date:05/01/1986

FSC:9160

NIIN:00-343-2025

MSDS Number: BQDKH

=== Responsible Party ===

Company Name:MORRE-TEC INDUSTRIES INC

Address:500 WESTFIELD AVE

City:ELIZABETH

State:NJ

ZIP:07208

Country:US

Info Phone Num:20

1-251-4333

Emergency Phone Num:201-251-4333

CAGE:0SWP4

=== Contractor Identification ===

Company Name:KING ENGINEERING CORPORATION

Address:3201 S STATE STREET

Box:City:ANN HARBOR

State:MI

ZIP:48104-7325

Country:US

CAGE:33667

Company Name:MORRE-TEC INDUSTRIES INC

Address:500 WESTFIELD AVE

Box:City:ELIZABETH

State:NJ

ZIP:07208

Country:US

Phone:908-351-4333

CAGE:0SWP4

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

Ingred Name:ACETYLENE TETRABROMIDE (1,1,2,2-TETRABROMOETHANE)

(TBE)
CAS:79-27-6
RTECS #:K18225000
Fraction by Wt: 100%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 PPM
ACGIH TLV:1 PPM; 9293

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 1100 MG/KG
Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: MAY CAUSE SKIN AND EYE
IRRITATION ON CONTACT.CHRONIC: NONE SPECIFIED BY MANUFACTURER.
Explanation of C
arcinogenicity:NONE
Effects of Overexposure:EYES: REDNESS, BLURRED VISION, TEARING,
DISCOMFORT. SKIN: REDNESS, DISCOMFORT.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALED: MOVE TO FRESH AIR. APPLY ARTIFICIAL RESPIRATION IF
NEEDED AND GET IMMEDIATE MEDICAL ATTENTION. EYES: FLUSH WITH LOTS
OF WATER FOR 15 MINUTES. SEE DOCTOR. SKIN: REMOVE CONTAMINATED
CLOTHES. WA SH WITH SOA
P AND WATER. IF SYMPTOMS PERSIST, SEE
DOCTOR. INGESTED: IF CONSCIOUS, GIVE 2 GLASSES OF WATER AND INDUCE
VOMITING. GET IMMEDIATE MEDICAL ATTENTION.

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

Flash Point:NON-FLAMMABLE
Extinguishing Media:WATER, FOAM, FOG, CARBON DIOXIDE, OR DRY CHEMICAL
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND
FULL PROTECTIVE GEAR.
Unusual Fire/Explosion Hazard:WHEN HEATED, EMITS HIGHLY TOXIC FUMES OF
BROMINE
, HYDROGEN BROMIDE, AND CARBONYL BROMIDE.

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

Spill Release Procedures:ISOLATE AND DENY ENTRY. WEAR PROPER PROTECTIVE
CLOTHING. CONTAIN SPILL. ABSORB WITH INERT MATERIAL AND PLACE IN A
CLEAN, MARKED CONTAINER FOR LATER DISPOSAL. PREVENT FROM ENTERING
SEWERS AND WATERWAYS .
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precau

tions:WEAR PROPER PROTECTIVE CLOTHING WHEN
HANDLING. AVOID CONTACT WITH EYES, SKIN AND CLOTHES. STORE IN A
COOL, DRY PLACE.

Other Precautions:DO NOT USE NEAR FOOD OR SMOKING PRODUCTS.

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

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE
OR EMERGENCY OCCURS; USE NIOSH/MSHA APPROVED RESPIRATOR OR SUPPLIED
AIR RESPIRATOR OR SCBA, AS REQUIRED. USE IN ACCORDANCE WITH 29 CFR
1910.134.

Ventilatio

n:USE ADEQUATE MECHANICAL VENTILATION TO MAINTAIN AIRBORNE
CONCENTRATION BELOW REGULATORY LIMITS.

Protective Gloves:RUBBER

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER

Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING,
DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

KEY1=T4. MANUFACTURER PROVIDED 2 MSDS'S- ONE FOR EACH OF THE
INGREDIENTS THAT MAKE UP KING

P/N 2992 RED INDICATING LIQUID. THIS

IS "CHEMICAL INGREDIENT 1". "CHEMICAL INGREDIENT 2" CAN BE FOUND
UNDER T HIS NSN, CAGE 19139.

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

HCC:T4

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

Melt/Freeze Pt:M.P/F.P Text:30.2F,-1.0C

Decomp Temp:Decomp Text:>462F,>239C

Vapor Pres:11(AIR=1)

Spec Gravity:2.96 (WATER=1)

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

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS TO YELLOW LI
QUID WITH SWEET PUNGENT ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG ALKALIS, ACTIVE METALS, MOST PLASTICS AND RUBBERS (SOFTENS).

Stability Condition to Avoid:TEMPERATURES ABOVE 100F.

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

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

Waste Disposal Methods:DISPOSAL OF IN ACCORDANCE WITH LOCAL, STATE AND

FEDERAL REGULATIONS.

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