

CANTOL,INC. -- HEX -- 6840-01-412-8873

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

Product ID:HEX

MSDS Date:05/01/1995

FSC:6840

NIIN:01-412-8873

MSDS Number: CBRDX

=== Responsible Party ===

Company Name:CANTOL,INC.

Address:2211 NORTH AMERICAN STREET

City:PHILADELPHIA

State:PA

ZIP:19133

Country:US

Info Phone Num:215-425-1966

Emergency Phone Num:215-425-1966/800-424-9300(CHEMTREC)

Preparer's Name:RICHARD J.

PETSCHE

CAGE:58380

=== Contractor Identification ===

Company Name:CANTOL,INC.

Address:2211 NORTH AMERICAN STREET

Box:City:PHILADELPHIA

State:PA

ZIP:19133-3306

Country:US

Phone:215-425-1966

CAGE:58380

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

Ingred Name:BENZYLETHYLDIMETHYLAMMONIUM CHLORIDE

CAS:5197-80-8

Fraction by Wt: >1%

Other REC Limits:NONE RECOMMENDED

Ingred Name:NONYLPHENOL POLYETHOXATE

CAS:9016-45-9

RTECS #:MD0900000

Fraction by Wt: >1%

Other REC Limits:NONE

RECOMMENDED

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS NOT KNOWN.
Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN,
GASTROINTESTINAL TRACT. ACUTE- EYE CONTACT MAY CAUSE IRRITATION.
SKIN CONTACT MAY CAUSE IRRITATION. INHALATION IS NOT LIKELY TO
OCCUR AT AMBIENT TEMPERATURES. HARMFUL IF SWALLOWED. CHRONIC-

UNKNOWN.
Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT
CARCINOGENS.
Effects of Overexposure:IRRITATION, NAUSEA, VOMITING, TEARING, REDNESS
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN
DISORDERS SUCH AS ALLERGIES, ECZEMA MAY BE MORE SUSCEPTIBLE TO THE
EFFECTS OF THIS PRODUCT.

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

First Aid:CALL PHYSICIAN IF SYMPTOMS PERSIST. EYE: IMMEDIATELY FLUSH
WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN:WASH WITH SOAP &
WATER. INHALED:NOT NEEDED. ORAL:IF CONSCIOUS, DRINK LARGE AMOUNT OF
WATER . CALL A PHYSICIAN.

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

Flash Point Method:TCC
Flash Point:NONE
Autoignition Temp:Autoignition Temp Text:NP
Lower Limits:NOT GIVEN
Upper Limits:NOT GIVEN
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE (CO2), ALCOHOL FOAM
OR
DRY CHEMICAL. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.
Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED
SELF-CONTAINED BREATHING APPARATUS.
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ABSORB ON SAND,
VERMICULITE OR SIMILAR MATERIAL. SWEEP UP AND PLACE IN AN
APPROPRIATE CONTAINER. HOLD FOR DISPOSAL. WASH CONTAMINATED S

PILL

AREA WITH WATER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE AWAY FROM STRONG OXIDIZING AGENTS. KEEP FROM FREEZING.

Other Precautions:WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING AND BEFORE EATING, DRINKING, SMOKING. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY. DO NOT GET IN EYES OR ON SKIN. FOR INDUSTRIAL AND INSTIT UTIONAL USE ONLY.

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

Respiratory Protection:NONE SPECIFIED BY MANUFACTURER.

Ventilation:NONE SPECIFIED BY MANUFACTURER.

Protective Gloves:LATEX, RUBBER, PLASTIC

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:EYE WASH STATION, SAFETY SHOWER, PROTECTIVE CLOTHING

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health
NONE SPECIFIED BY MANUFACTURE
R.

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

HCC:T6

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:210F,99C

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Decomp Temp:Decomp Text:NOT GIVEN

Vapor Pres:NOT GIVEN

Vapor Density:>1

Spec Gravity:1.012

Viscosity:NP

Evaporation Rate & Reference:>1 (N-BUTYL ACETATE=1)

Solubility in Water:COMPLETE

Appearance and Odor:VISCOUS BROWN LIQUID - MILD ODOR

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

Stabilit

y Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products: NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. CONTRACT WITH A LICENSED WASTE DISPOSAL FACILITY. A NONHAZARDOUS WASTE AS DEFINED BY RCRA.

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

This information 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.