

ISSUE DATE: SEPTEMBER 12, 1985 DATE UPDATED: MARCH 10, 1986

CHEMICAL NAME: CYCLOHEXENE OXIDE

CHE

MANUFACTURER NAME/ADDRESS:
UNIROYAL CHEMICAL COMPANY, INC.
WORLD HEADQUARTERS

MIDDLEBURY CT 006749

MANUFACTURER PHONE NO:
203-723-3670
800-424-9300
EMERGENCY
CHEMTREC

CAS OR TRADE NO. 00286-20-4 C EPA REPORTABLE QTY:

CHEMICAL FAMILY: EPOXIDE

DOT SHIPPING NAME: FLAMMABLE LIQUID, N.O.S.
DOT HAZARD CLASS: FLAMMABLE LIQUID

SUBSIDIARY RISK:

UN I.D. NUMBER:
1993ALIAS:
NAUGARD

CHO

* SECTION 4 PHYSICAL DATA/HAZARDOUS INGRED *****

BOILING POINT	VAPOR DENSITY	SOLUBILITY
0760MM HG	(AIR=1)	(WEIGHT% IN WATER)
266 DEG. F	NOT DETER.	INSOL. IN WATER

FREEZING/MELTING POINT	VOLUME & VOLATILE	PH OF SOLUTIONS:
N/A	100	NOT LISTED

VAPOR PRESSURE:	EVAPORATION RATE:
NOT DETERMINED	NOT LISTED

SPECIFIC GRAVITY(H2O=1)	BULK DENSITY	HEAT OF SOLUTION
0.967 @ 25 DG.C	NOT LISTED	NOT LISTED

APPEARANCE AND ODOR:
COLORLESS LIQUID; PUNGENT, OFFENSIVE ODOR

INGREDIENT:	%	INGREDIENT:	%
CYCLOHEXENE OXIDE			

* SECTION 2 & 3 FIRE/EXPLOSION HAZARD DATA *

FLASH POINT DEG F
(METHOD USED)
80.6 DEG. F (TOC)

FLAMMABLE LIMITS IN AIR(% BY VOLUME)
LEL: UEL:
1.15 12.36

EXTINGUISHING MEDIA:
FOAM, DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES:

SPECIAL FIRE FIGHTING PROCEDURES: PROTECT AGAINST INHALATION OF COMBUSTION PRODUCTS.

UNUSUAL HAZARDS: FLAMMABLE LIQUID.

* SECTION 4.1 HEALTH HAZARD DATA *

PERMISSIBLE EXPOSURE LIMITS:
ACGIH TLV: NOT DETERMINED

OSHA-PEL: NOT DETERMINED

MERS REC:

CARCINOGENICITY STATUS (SOURCE):

NIOSH REPORTS THAT THIS MATERIAL ENHANCES THE CARCINOGENICITY OF ETHYLENE DIBROMIDE IN RODENTS.

TOXICITY DATA: EFFECTS OF OVEREXPOSURE, ETC.

SPECIFIC HAZARD(S): TOXIC BY DERMAL EXPOSURE. MODERATELY TOXIC BY ORAL EXPOSURE. CONTACT WITH EYES WILL CAUSE SEVERE IRRITATION. INHALATION OF VAPORS CAN CAUSE RESPIRATORY IRRITATION. EXPERIMENTAL EVIDENCES SUGGEST MUTAGENIC POTENTIAL.

PRIMARY ROUTE(S) OF ENTRY: INHALATION, SKIN ABSORPTION.

TOXICOLOGY INFORMATION: ---

ORAL TOXICITY: LD50 (RATS) - 1.05 G/KG

DERMAL TOXICITY: LD50 (RABBITS) - 0.6 G/KG

INHALATION TOXICITY: LC50 (RATS, 4 HR.) - 2649 PPM

IRRITATION EYE (RABBITS) - SEVERE.

MUTAGENICITY: AMES SALMONELLA - POSITIVE

CHRONIC: THE FEEDING TO MICE OF UP TO 2200 PPM AND RATS OF UP TO 600 PPM FOR TWO YEARS DID NOT PRODUCE AN INCREASED TUMOR INCIDENCE.

* SECTION 4.2 EMERGENCY/FIRST AID PROCEDURE *

INHALATION:
REMOVE TO FRESH AIR.

EYE CONTACT:
FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.

SKIN CONTACT:
WASH THOROUGHLY WITH SOAP AND WATER.

INGESTION:
NONE LISTED.

NOTES TO PHYSICIAN (INCLUDING ANTIDOTES)
NONE LISTED.

* SECTION 5 REACTIVITY DATA *

STABILITY:
STABLE @ AMBIENT TEMPS. & PRESSURES
CONDITIONS TO AVOID:
NONE LISTED

HAZARDOUS POLYMERIZATION:
NOT LISTED
CONDITIONS TO AVOID:
NONE LISTED

INCOMPATIBILITY (MATERIALS TO AVOID):
HIGH REACTIVE WITH ACID, BASES AND MANY ORGANIC COMPOUNDS.

HAZARDOUS DECOMPOSITION PRODUCTS:
OXIDES OF CARBON UNDER BURNING CONDITIONS.

* SECTION 6 SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:
REMOVE ALL SOURCES OF IGNITION. ABSORB ON INERT MATERIAL. USING NON-SPARK-
ING TOOLS, SHOVEL INTO SECURE CONTAINERS FOR PROPER DISPOSAL. USE PERSONAL
PROTECTIVE EQUIPMENT AS OUTLINED.

WASTE DISPOSAL METHOD:
IN ACCORDANCE WITH EPA/RCRA REGULATIONS 40 CFR 261.21 (A) (1), IGNITABILITY
D001.
ENVIRONMENTAL EFFECTS HAVE NOT BEEN DETERMINED.

* SECTION 7.1 SPECIAL PROTECTON

RESPIRATORY PROTECTION:
IN THE ABSENCE OF ADEQUATE VENTILATION, USE NIOSH CERTIFIED RESPIRATORY
PROTECTION FOR ORGANIC VAPORS.

* SECTION 7.2 SPECIAL PROTECTON DATA

VENTILATION(TYPE):
LOCAL EXHAUST VENTILATION STRONGLY RECOMMENDED TO MINIMIZE VAPOR EXPOSURE.

EYE PROTECTION:
GOGGLES

GLOVES:
IMPERVIOUS

OTHER PROTECTIVE EQUIPMENT:
AVOID ALL PERSONAL CONTACT.

* SECTION 8.1 SPECIAL PRECAUTIONS

SPECIAL PRECAUTIONS AND COMMENTS:
STORAGE: STORE AWAY FROM SOURCES OF DIRECT HEAT AND IGNITION SOURCES.
KEEP CONTAINERS CLOSED WHEN NOT IN USE. GROUND DURING TRANSFER OPERATIONS.
STORE IN A WELL-VENTILATED AREA.

* SECTION 8.2 REFERENCES

REFERENCES:
NONE LISTED.

SL 049687

* SECTION 8.4 MISC INFORMATION *

MISC INFORMATION:
NONE LISTED.