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MATERIAL SAFETY DATA SHEET

Divisions:
Metropolitan Refining
Consolidated Water Conditioning
Cosmopolitan Chemical
Petro Con Chemical

DATE PREPARED: 10/20/97

1. CHEMICAL PRODUCT IDENTIFICATION: **CORRODINE 710**

General Use: **STEAM LINE TREATMENT**

EMERGENCY TELEPHONE NUMBERS:
CHEMTREC

800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

EXPOSURE LIMITS 8 hrs. TWA (ppm)

Component	Hazard	CAS#	OSHA STEL	OSHA PEL	ACGIH TLV
DIETHYLAMINOETHANOL	IRRITANT	100-37-8	N/E	10MG/M3	10PPM

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: IRRITANT

POTENTIAL HEALTH EFFECTS

INHALATION: IRRITANT

EYE CONTACT: CAUSES SEVERE IRRITATION

INGESTION: MODERATELY TOXIC

CHRONIC: NONE

SKIN CONTACT: IRRITANT

TARGET ORGANS: N/E

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: N/E

FIRST AID MEASURES

INHALATION: REMOVE TO FRESH AIR

SKIN CONTACT: WASH THE SKIN WITH SOAP AND WATER

EYE CONTACT: RINSE WITH WATER - 15 MIN. GET MEDICAL ATTENTION

INGESTION: INDUCE VOMITING AND CONSULT PHYSICIAN

NOTES TO PHYSICIAN: NONE

5. FIRE FIGHTING MEASURES

Flashpoint (°F) and Method: 140

Autoignition Temperature (°F): N/E

FLAMMABLE LIMITS

Ingredients: AS ABOVE

LEL: 6.7 UEL: 11.7

GENERAL HAZARD: COMBUSTIBLE

FIRE FIGHTING EQUIPMENT: SELF CONTAINED

FIRE FIGHTING INSTRUCTIONS: NONE

EXTINGUISHING MEDIA: SEE BELOW

Foam: YES

Alcohol Foam: YES

CO2: YES

Dry Chemical: YES

Water: NO

Other: none

HAZARDOUS COMBUSTION PRODUCTS: EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

NATIONAL FIRE PROTECTION ASSOCIATION:

NFPA Hazard Rating: 0 - Insignificant
4 - Extreme

1 - Slight
U - Unknown

2 - Moderate
* - No Information
3 - High

Health : 1

Flammability : 2

Reactivity : 1

SPECIAL INFORMATION: NONE

N/A: Not Applicable

N/D: Not Determined

N/E: Not Established

* - Where no corresponding data was contained in manufacturer's MSDS, additional research is required and is available upon request

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6. ACCIDENTAL RELEASE MEASURES

LAND SPILL: ABSORB AND DISPOSE OF IN A PROPER MANNER

WATER SPILL: DILUTE AND NOTIFY THE APPROPRIATE AUTHORITIES

7. HANDLING AND STORAGE

STORAGE TEMPERATURE (°F): R.T.

STORAGE PRESSURE: ATM.

GENERAL: Keep container closed

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: GENERAL EXHAUST

PERSONAL PROTECTION:

RESPIRATOR: AMINE

PROTECTIVE CLOTHING: GLOVES AND GOGGLES

9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure (mmHg)	:760	pH	: 11.3
Specific Gravity (Water=1)	:1.0	Odor	:AMINE
Solubility in Water	:SOLUBLE	Appearance	: COLORLESS
Freezing Point	:N/D	Physical State	:LIQUID
Evaporation Rate (BuAc=1)	:N/D	Vapor Density (Air=1)	:N/D
Viscosity	:N/D	Percent Volatile by Vol	:100
Boiling Point (°F)	: ABOVE 210		

10. STABILITY AND REACTIVITY

GENERAL: STABLE

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID: DO NOT USE WITH NITRITES

HAZARDOUS DECOMPOSITION PRODUCTS: NONE

11. TOXICOLOGICAL INFORMATION

CARCINOGENIC INFORMATION:

CAS#: N/A

%WT: N/A

IARC: NO

NTP: NO

OSHA: NO

ACGIH: NO

OTHER: NO

12. ECOLOGICAL INFORMATION: N/E

13. DISPOSAL CONSIDERATION : DISPOSE OF IN ACCORDANCE TO LOCAL, STATE AND FEDERAL REGULATIONS

RCRA Hazard Class: FLAMMABLE

14. TRANSPORT INFORMATION

DOT (Department of Transportation)

Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. 3, UN1993, (CONTAINS DIETHYLAMINOETHANOL) PGIII

Hazard: FLAMMABLE CLASS 3

Identification Number: UN1993

15. REGULATORY INFORMATION

TSCA (Toxic Substance Control Act): LISTED

CERCLA (Comprehensive Environmental Response Compensation, and Liability Act): APPLIES

SARA TITLE III (Superfund Amendments and Reauthorization Act): NONE

311/312 Hazard Categories: N/A

Reportable Ingredients: N/A

16. OTHER INFORMATION NONE

REFERENCES NONE

THE INFORMATION RELATES TO THIS SPECIFIC MATERIAL. IT MAY NOT BE VALID FOR THIS MATERIAL IF USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY ONESELF AS TO THE SUITABILITY AND COMPLETENESS OF THIS INFORMATION FOR HIS OWN PARTICULAR USE.

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