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## MATERIAL SAFETY DATA SHEET

DATE PREPARED: 6/23/00 SW

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

General Use: **STEAM AND RETURN LINE TREATMENT** EMERGENCY TELEPHONE NUMBER:  
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
<b>DIETHYLAMINOETHANOL</b>	<b>IRRITANT</b>	<b>100-37-8</b>	<b>10 PPM TWA</b>	<b>10 PPM TWA</b>	<b>2 PPM</b>

### 3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: **THIS MATERIAL IS A SEVERE IRRITANT.**

POTENTIAL HEALTH EFFECTS

INHALATION: **IRRITATING TO MUCOUS MEMBRANES. MAY CAUSE DIZZINESS OR SUFFOCATION. MAY CAUSE NAUSEA AND VOMITING.** EYE CONTACT: **MAY CAUSE EYE IRRITATION AND/OR INJURY.**

INGESTION: **MAY CAUSE STOMACH IRRITATION AND IRRITATION OF THE DIGESTIVE TRACT.** CHRONIC: **NONE**

SKIN CONTACT: **MAY CAUSE SEVERE SKIN IRRITATION.** TARGET ORGANS: **POINT OF CONTACT.**

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: **N.D.**

### 4. FIRST AID MEASURES

INHALATION: **REMOVE TO FRESH AIR. GET MEDICAL ATTENTION IMMEDIATELY.** SKIN CONTACT: **WASH WITH SOAP AND WATER.**

EYE CONTACT: **FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.** INGESTION: **GIVE 2-4 FULL CUPS OF MILK AND GET MEDICAL ATTENTION.**

NOTES TO PHYSICIAN: **NONE**

### 5. FIRE FIGHTING MEASURES

Flashpoint (°F) and Method: **194 (CLOSED CUP)** Autoignition Temperature (°F): **N/A**

FLAMMABLE LIMITS: Ingredient: **DIETHYLAMINO ETHANOL** UEL: **11.7%** LEL: **6.7%**

GENERAL HAZARD: **THIS MATERIAL IS A SEVERE IRRITANT.** FIRE FIGHTING EQUIPMENT: **WEAR SELF CONTAINED BREATHING APPARATUS.**

FIRE FIGHTING INSTRUCTIONS:

EXTINGUISHING MEDIA:

Foam: <b>YES</b>	Alcohol Foam: <b>YES</b>	CO2: <b>YES</b>
Dry Chemical: <b>YES</b>	Water: <b>YES</b>	Other: <b>NONE</b>

HAZARDOUS COMBUSTION PRODUCTS: **CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF NITROGEN.**

NATIONAL FIRE PROTECTION ASSOCIATION HAZARD RATINGS:

0 – Insignificant	1 – Slight	2 – Moderate	3 – High
4 – Extreme	U – Unknown	* – No Information	

Health : **3**  
 Flammability : **2**  
 Reactivity : **0**

SPECIAL INFORMATION: **SEVERE IRRITANT.**

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: **CONTAIN AND ABSORB, THEN DISPOSE OF IN ACCORDANCE TO LOCAL, STATE AND FEDERAL GUIDELINES.**

WATER SPILL: **PREVENT ADDITIONAL DISCHARGE OF MATERIAL. THIS MATERIAL IS WATER SOLUBLE AND MAY NOT BE RECOVERABLE. REPORT TO THE APPROPRIATE AUTHORITIES.**

7. HANDLING AND STORAGE

STORAGE TEMPERATURE (°F): **ROOM TEMPERATURE**

STORAGE PRESSURE: **ATMOSPHERIC**

GENERAL: **STORE IN A COOL, DRY AREA. KEEP CONTAINER CLOSED, KEEP FROM FREEZING AND WASH AFTER HANDLING.**

8. EXPOSURE CONTROL/PERSONAL PROTECTION

ENGINEERING CONTROLS: **LOCAL EXHAUST – USE WITH ADEQUATE VENTILATION.**

PERSONAL PROTECTION: **GOGGLES**

RESPIRATOR: **USE RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE IF EXPOSED TO VAPORS.**

PROTECTIVE CLOTHING: **RUBBER GLOVES.**

9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure (mmHg)	:	<b>N.D.</b>	pH	:	<b>10 - 11</b>
Specific Gravity (Water=1)	:	<b>0.98 – 1.02</b>	Odor	:	<b>AMINE</b>
Solubility in Water	:	<b>COMPLETE</b>	Appearance	:	<b>COLORLESS</b>
Freezing Point	:	<b>N.D.</b>	Physical State	:	<b>LIQUID</b>
Evaporation Rate (BuAc=1)	:	<b>N.D.</b>	Vapor Density (Air=1)	:	<b>N.D.</b>
Viscosity	:	<b>N.D.</b>	Percent Volatile by Vol	:	<b>N.D.</b>
Boiling Point (°F)	:	<b>N.D.</b>			

10. STABILITY AND REACTIVITY

GENERAL: **STABLE**

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID: **STRONG OXIDIZING AGENTS, STRONG ACIDS, NITRITES, COPPER AND ZINC.**

HAZARDOUS DECOMPOSITION PRODUCTS: **NONE**

11. TOXICOLOGICAL INFORMATION

CARCINOGENIC INFORMATION: **N/E**

CAS#: **NONE**

% WT.: **N/A**

IARC: **NOT LISTED**    NTP: **NOT LISTED**    OSHA: **NOT LISTED**    ACGIH: **NOT LISTED**    OTHER: **NOT LISTED**

12. ECOLOGICAL INFORMATION: **N.D.**

13. DISPOSAL CONSIDERATION

RCRA Hazard Class: **NOT CONSIDERED A RCRA HAZARDOUS WASTE.**

14. TRANSPORT INFORMATION:

DOT (Department of Transportation)

Proper Shipping Name: **COMPOUNDS CLEANING LIQUID, 8, NA1760, PG III, (CONTAINS DIETHYLAMINO ETHANOL).**

Hazard Class: **CORROSIVE, 8**      Identification Number: **NA1760**

15. REGULATORY INFORMATION

TSCA (Toxic Substance Control Act): **ALL COMPONENTS ARE LISTED ON THE TSCA INVENTORY.**

CERCLA (Comprehensive Environmental Response Compensation, and Liability Act)      **IF SPILLED, THIS PRODUCT IS NOT SUBJECT TO ANY REPORTING UNDER CERCLA.**

SARA TITLE III (Superfund Amendments and Reauthorization Act)

311/312 Hazard Categories: **IMMEDIATE HEALTH HAZARD**

313 Reportable Ingredients: **THIS PRODUCT DOES NOT CONTAIN ANY SECTION 313 REPORTABLE INGREDIENTS.**

16. OTHER INFORMATION

REFERENCE: **PRODUCT FILE #F1280**

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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