

## 1. Product and Company Identification

**Product Code:** E0930  
**Product Name:** CORRODINE 930  
**Company Name:** THE METRO GROUP, INC  
 50-23 23RD STREET  
 LONG ISLAND CITY, NY 11101  
**Phone Number:** (718)729-7200  
**Web site address:** www.metrogroupinc.com  
**Emergency Contact:** CHEMTREC (800)424-9300  
**Synonyms:** STEAM AND CONDENSATE RETURN LINE TREATMENT

## 2. Hazards Identification

**Corrosive To Metals, Category 1**  
**Acute Toxicity: Inhalation, Category 4**  
**Acute Toxicity: Oral, Category 4**  
**Skin Corrosion/Irritation, Category 1B**  
**Toxic To Reproduction, Category 2**



**GHS Signal Word:** **Danger**

**GHS Hazard Phrases:** H290: May be corrosive to metals.  
 H332: Harmful if inhaled.  
 H302: Harmful if swallowed.  
 H314: Causes severe skin burns and eye damage.  
 H361: Suspected of damaging fertility or the unborn child {}.

**GHS Precaution Phrases:** P210: Keep away from sparks or open flames. - No smoking.  
 P233: Keep container tightly closed.  
 P271: Use only in a well-ventilated area.  
 P261: Avoid breathing fume, vapour or spray.  
 P264: Wash thoroughly after handling.  
 P270: Do not eat, drink or smoke when using this product.  
 P280: Wear protective gloves, protective clothing and eye protection.  
 P242: Use only non-sparking tools.

**GHS Response Phrases:** P390: Absorb spillage to prevent material damage.  
 P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
 P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P363: Wash contaminated clothing before reuse.  
 P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P308+313: IF exposed or concerned: Get medical attention/advice.  
 P1370+378: In case of fire, use water spray, dry chemical, CO2 or appropriate foam to extinguish.

**GHS Storage and Disposal Phrases:** P403+235: Store in a cool/well-ventilated place.  
 P501: Dispose of contents/container in accordance with Federal, State and local

# SAFETY DATA SHEET

## CORRODINE 930

regulations. Refer to section 13.

**Hazard Rating System:**

HEALTH	2
FLAMMABILITY	0
PHYSICAL	0
PPE	C



**HMIS:**

**OSHA Regulatory Status:**

This material is classified as hazardous under OSHA regulations.

**Potential Health Effects (Acute and Chronic):**

May be harmful if swallowed, in contact with skin, or if inhaled.

**Inhalation:**

May cause allergy or asthma symptoms or breathing difficulties if inhaled

**Skin Contact:**

Causes skin burns, irritation and possible allergic reaction.

**Eye Contact:**

Can cause severe injury (reddening and swelling).

**Ingestion:**

Fatal if swallowed.

**Medical Conditions Generally Aggravated By Exposure:**

Not Determined

**Aggravated By Exposure:**

### 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
100-37-8	2-Diethylaminoethanol	5.000 - 15.000 %
108-91-8	Cyclohexylamine	5.000 - 25.000 %
110-91-8	Morpholine	5.000 - 15.000 %

### 4. First Aid Measures

**Emergency and First Aid Procedures:**

IF ON SKIN: Wash with plenty of soap and water. IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**In Case of Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**In Case of Skin Contact:**

In case of contact, flush skin with plenty of water. remove contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before reuse.

**In Case of Eye Contact:**

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid.

**In Case of Ingestion:**

If swallowed, do not induce vomiting unless directed to do by medical personnel. Never give anything by mouth to an unconscious person. Get medical aid.

**Note to Physician:**

Treat symptomatically and supportively.

### 5. Fire Fighting Measures

**Flash Pt:** > 100.00 F (37.8 C) Method Used: Closed Cup

**Explosive Limits:** LEL: No data. UEL: No data.

**Autoignition Pt:** No data.

**Suitable Extinguishing Media:** Use water spray, dry chemical, carbon dioxide or appropriate foam.

**Fire Fighting Instructions:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved or equivalent) and full protective gear. During a fire, irritatin and hihly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed container cool.

**Flammable Properties and Hazards:** Not Flammable.

### 6. Accidental Release Measures

**Protective Precautions, Protective Equipment and Emergency Procedures:** Goggles or face shield, rubber gloves, and chemical resistant apron

**Environmental Precautions:** Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth). then place in suitable container. Clean up spills immediately, observing precautions in the Protective Equipment section. Remove all sources of ignition. Use a spark-prood tool. Provide ventilation.

**Steps To Be Taken In Case Material Is Released Or Spilled:** Use proper personal protective equipment as indicated in Section 8

### 7. Handling and Storage

**Precautions To Be Taken in Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use spark-proof tools and explosion proof equipment. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Avoid ingestion and inhalation. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Use only with adequate ventilation. Keep away from heat and flame. Avoid breathing spray or mist.

**Precautions To Be Taken in Storing:** Keep away from heat and flame. Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

**Other Precautions:** Do not expose to temperatures exceeding 50 °C/122 °F.

### 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
100-37-8	2-Diethylaminoethanol	PEL: 10 ppm	TLV: 2 ppm	No data.
108-91-8	Cyclohexylamine	No data.	TLV: 10 ppm	No data.
110-91-8	Morpholine	PEL: 20 ppm	TLV: 20 ppm	No data.



### 11. Toxicological Information

**Toxicological Information:** No data available.  
**Carcinogenicity:** NTP? No IARC Monographs? No OSHA Regulated? No

### 12. Ecological Information

**General Ecological Information:** Not determined.

### 13. Disposal Considerations

**Waste Disposal Method:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.  
 RCRA P-Series: None listed.  
 RCRA U-Series:

**Waste Disposal Method:** D002

### 14. Transport Information

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Corrosive liquids, n.o.s.  
**DOT Hazard Class:** 8 CORROSIVE  
**UN/NA Number:** UN2054 **Packing Group:** III  
**Precautionary Label:** DANGER



### 15. Regulatory Information

**EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
100-37-8	2-Diethylaminoethanol	No	No	No
108-91-8	Cyclohexylamine	Yes 10000 LB	No	No
110-91-8	Morpholine	No	No	No

**This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:**  
 Yes  No Acute (immediate) Health Hazard  
 Yes  No Chronic (delayed) Health Hazard  
 Yes  No Fire Hazard  
 Yes  No Sudden Release of Pressure Hazard  
 Yes  No Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
100-37-8	2-Diethylaminoethanol	TSCA: Yes - Inventory; NY Part 597: No
108-91-8	Cyclohexylamine	TSCA: Yes - Inventory; NY Part 597: Yes
110-91-8	Morpholine	TSCA: Yes - Inventory; NY Part 597: No

## 16. Other Information

**Revision Date:** 09/17/2014

**Additional Information About** No data available.

**This Product:**