

1. Product and Company Identification

Product Code: E0710
Product Name: CORRODINE 710
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 710

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

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
100-37-8	2-Diethylaminoethanol	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.

Respiratory Equipment (Specify Type):	Wear a NIOSH/MSHA approved (or equivalent).
Eye Protection:	Wear safety glasses with side shields (or goggles) and a face shield.
Protective Gloves:	Rubber or neoprene gloves
Other Protective Clothing:	Wear appropriate protective clothing to minimize contact with skin.
Engineering Controls (Ventilation etc.):	Ventilation is normally required when handling or using this product.
Environmental Exposure Controls:	Ventilation is normally required when handling or using this product to keep exposure to airborne contaminants below the exposure limit.

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid
Appearance and Odor:	Appearance: Clear Amber Liquid Odor: Amine-like odor
Melting Point:	No data.
Boiling Point:	> 100.00 F (37.8 C)
Autoignition Pt:	No data.
Flash Pt:	> 100.00 F (37.8 C) Method Used: Closed Cup
Explosive Limits:	LEL: No data. UEL: No data.
Specific Gravity (Water = 1):	- 0.98 - 1.02
Vapor Pressure (vs. Air or mm Hg):	No data.
Vapor Density (vs. Air = 1):	No data.
Evaporation Rate:	No data.
Solubility in Water:	COMPLETE
Viscosity:	- 50 - 150
pH:	- 10.5 - 11.5
Percent Volatile:	N.D.
VOC / Volume:	< 0

10. Stability and Reactivity

Reactivity:	Stable. However, may decompose if heated.
Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	Ignition sources, Excessive heat.
Incompatibility - Materials To Avoid:	Acidic conditions Oxidizing materials
Hazardous Decomposition Or Byproducts:	Carbon monoxide, Carbon dioxide, Nitrogen Oxide.
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	Product will not undergo polymerization.

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

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

16. Other Information

Revision Date: 09/17/2014

Additional Information About No data available.

This Product: