

x Hercules Plumbing Chemicals

MATERIAL SAFETY DATA SHEETS (MSDS) On-Line OSHA-Required Health And Safety Information!

Section 1

MATERIAL SAFETY DATA SHEET # 35

Hercules Boiler & Heating System Cleaner

Date Prepared: 23-Dec-86 Last Reviewed: 05-Dec-01

Meets OSHA 29 CFR 1910.1200

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Section 2 - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s), CAS Numbers)	OSHA PEL	ACGIH TLV	Other Limits	% Upper Bound Limits if SARA Reportable
Cyclohexylamine (108-91-8)	N/A	10 PPM	N/A	< 1

HMIS Hazard Rating: Health: 0 Flammability: 0 Reactivity: 0 Personal Protection: A

Section 3 - Physical/Chemical Characteristics

Boiling Point (°F):	Specific Gravity (H₂O=1):	Vapor Density (Air=1):	Vapor Pressure (mm Hg):
212&de	1.12	> 1	at 20 °C 17.5mm
Melting Point (°F):	Evaporation Rate (Butyl Acetate=1):	Solubility in Water:	
N/A		Soluble	
Appearance And Color: Yellow color liquid		Odor: Slight amine odor	

Section 4 - Fire And Explosion Hazard Data

Flash Point:	Flammable Limits:	LEL:	UEL:
None	N/A		

Extinguishing Media: None; non-combustible

Special Firefighting Procedures:

As appropriate for surrounding fire.

Unusual Fire And Explosion Hazards:

None

Section 5 - Reactivity Data

Stability: Stable

Conditions To Avoid: None

**Incompatability
(Materials To Avoid):**

None known

Hazardous Decomposition:

None

Hazardous Polymerizatrion:

Will Not Occur

Section 6 - Health Hazard Data

Routes of Entry: **Inhalation?** N/A **Skin?** YES/Primary **Ingestion?** YES/Secondary

Health Hazards:

None known

Carcinogenicity: **NTP?** NO

IARC? NO

OSHA Regulated? NO

Signs And Symptoms of Exposure:

None

Medical Conditions Generally Aggravated By Exposure:

None known

Emergency And First Aid Procedures:

SKIN: Wash with soap & water. EYES: As with most foreign materials should eye contact occur, flush eyes with plenty of water and get medical attention. INGESTION: Irritant; give large quantities of water. Get medical attention.

Section 7 - Precautions For Safe Handling And Use:

Steps To Be Taken In Case Material Is Released Or Spilled:

Soak up with absorbent material and sweep up.

Waste Disposal Method:

Non-hazardous landfill

Precautions To Be Taken In Handling And Storing:

None

Other Precautions:

None

Section 8 - Control Measures:

Respiratory Protection:	None required			
Ventilation:	Local Exhaust:	Adequate	Special:	N/A
	Mechanical:	N/A	Other:	N/A
Gloves:	None			
Eye Protection:	Goggles			
Other Protective Clothing:	None required			
Work/Hygienic Practices:	Wash after handling.			

| [Home Page](#) |

| [MSDS](#) | [Wholesaler Info](#) | [Contractor Info](#) | [Homeowner & Industrial Info](#) |

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