

MSDS Document

Product COMBAT EXTRA

1. Chemical Product and Company Identification

Trade Name of this Product **COMBAT EXTRA**

MSDS ID **MSDS2376**

Manufacturer

Haviland Consumer Products, Inc.
421 Ann Street N.W.
Grand Rapids, MI 49504

Phone Number

(616) 361-6691

Emergency Phone

CHEMTREC (800) 424-9300

CHEMTREC International (703) 527-3887

Revision Date 00/00/00

Health:	1
Fire:	1
Reactivity:	0
Specific	

2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
Poly (oxyethylene (dimethyliminio)ethylen e-(dimethyliminio) ethylene dichloride)	31075-24-8	20 %	Not Established	Not Established	
Elemental Copper (from copper-triethanolamine complex)	Not Available	2 %			

3. Hazard Identification

Emergency Overview

May cause mild eye irritation.

Health Effects

Slightly hazardous in case of eye or skin contact (irritant).

Carcinogenicity

None of the components present in this material are listed by IARC or NTP as a carcinogen.

Reproductive Effects

None known

Routes of Entry

Inhalation, Ingestion, Skin or Eye Contact

4. First Aid Information**Eye Contact**

Flush immediately with plenty of water for at least 15 minutes, get medical attention.

Skin Contact

Flush with water for at least 15 minutes while removing contaminated clothing. If irritation persists, get medical attention.

Inhalation

Fresh air should alleviate any respiratory discomfort. If breathing difficulties develop or persist, get medical attention.

Ingestion

Call a physician immediately. Do not induce vomiting. Dilute by drinking water or milk. Never give anything by mouth to an unconscious person.

5. Fire Fighting Measures

Flash Point > 100°C (212°F)

FP Method TCC

Extinguishing Media

Water spray, foam, carbon dioxide, dry chemical

Special Fire Fighting Procedures

Fire fighters should wear full protective clothing including self-contained breathing apparatus.

Unusual Fire Hazard

None known.

6. Accidental Release Measures**Spill and Leak Procedures**

Block any potential routes to water systems. Recover as much of the pure product as possible into appropriate containers. Use absorbent to collect spill or leak residue. Follow all local, state and federal regulations.

7. Handling and Storage**Handling Procedures**

Use with adequate ventilation. Do not get in eyes, on skin, or on clothing. Wash thoroughly

after handling.

Storage Procedures

Keep containers tightly closed when not in use and protect from damage. Store in a cool, well-ventilated area.

8. Exposure Controls and Personal Protection

Engineering Controls

Use in well ventilated areas.

Eye Protection

Safety glasses or goggles required.

Protective Gloves

Rubber or other impervious materials.

Respiratory Protection

None required for normal use.

Other Protective Equipment

Flowing water source should be available. Prevent contact with skin & clothing by using protective garments.

9. Physical and Chemical Properties

Physical State	Liquid
Specific Gravity	1.1
Color/Appearance	Dark blue liquid
Odor	Mild odor
pH	6.0 - 7.0
Boiling/Cond. Point	> 100°C (212°F)
Melting/Freezing Point	< 0°C (32°F)
Solubility	Easily soluble in water
Vapor Density	Not Available
Vapor Pressure	Not Available

10. Stability and Reactivity

Chemical Stability

Stable under normal conditions

Conditions to Avoid

None known

Incompatible Materials

Anionic polymers.

Hazardous Decomposition Products

Carbon monoxide

Hazardous Polymerization

Will not occur.

11. Toxicological Information

ACUTE EFFECTS:

Oral (LD50) = 1951 mg/kg Male rat

Oral (LD50) = 2587 mg/kg Female rat

Dermal (LD50) = > 2000 mg/kg Rabbit

12. Ecological Information

LC50 = 0.37 mg/l 48 hours Invertebrate

LC50 = 0.26 mg/l 96 hours Fathead minnow

LC50 = 0.21 mg/l 96 hours Bluegill sunfish

LC50 = 0.047 mg/l 96 hours Rainbow trout

LC50 = > 600 mg/l 96 hours Sheepshead minnow

LC50 = 13 mg/l 96 hours Mysid shrimp

13. Disposal Considerations

Waste Disposal

Dispose of waste in accordance with all federal, state, and local regulations.

14. Transportation Information

DOT Shipping Name

Not Regulated

15. Regulatory Information

TSCA

Hazardous Component(s) subject to reporting on the TSCA List.

16. Other Information

EPA Reg. No. 57787-25

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