

MATERIAL SAFETY DATA SHEET

Customer's Use



Date Issued: 12/17/2004
MSDS No: ICC-02124
Date-Revised: 02/02/2007
Revision No: 2

INTERCLEAN MC-1

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: INTERCLEAN MC-1
GENERAL USE: Cleaner
PRODUCT DESCRIPTION: Cooling System Cleaner
PRODUCT CODE: 579100
PRODUCT FORMULATION NAME: INTERCLEAN MC-1
CHEMICAL FAMILY: Inorganic Salt Solution
ACTIVE INGREDIENT(S): Dissolvine AM2-45; Citrosol 503; Ammonia; Tamol SN

MANUFACTURER

Interstate Chemical Company, Inc.
 Corporate Headquarters-Hermitage
 2797 Freedland Road
 Hermitage PA 16148

Emergency Contact: F. James Corbett,
 Director of Quality & EH&S

Product Stewardship: 800-422-2436

Alternate Emergency Phone: 724-981-3771

Transportation: 800-422-2436

Alternate Transportation Phone: 724-981-3771

Service Number: 800-422-2436

Alternate Customer Service: 724-981-3771

24 HR. EMERGENCY TELEPHONE NUMBERS

800-ICC-CHEM

COMMENTS: Dispose of in accordance with all applicable local, state, and federal regulations. For assistance with your waste management/environmental service needs including waste disposal and recycling, please contact Interstate Chemical Environmental Services at 800-422-2436 ext. 1703 or email us at environmentalservices@interstatechemical.com

2. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES: Moderately irritating to the eyes.

SKIN: Causes skin irritation.

INGESTION: Substance may be harmful if swallowed.

INHALATION: May be irritating to respiratory system.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS	EINECS
Deionized Water	20 - 40	007732-18-5	231-791-2
Dissolvine AM2-45	40 - 50	20824-56-0	
Citrosol 503	1 - 20	00077-92-9	
Ammonia	1 - 20	7664-41-7	231-635-3
Tamol SN	1 - 5	9084-06-4	
Blue Dye	< 1		

4. FIRST AID MEASURES

EYES: Flush eye with water for 15 minutes. Get medical attention.

SKIN: Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately before reuse.

INGESTION: Immediately drink two glasses of water and induce vomiting. Get medical attention.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Not Applicable

FIRE FIGHTING PROCEDURES: Flood with water.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Flush spill area with plenty of water. Comply with Federal, State, and local regulations on reporting releases.

7. HANDLING AND STORAGE

HANDLING: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Do not get on skin or in eyes. Do not ingest or inhale.

STORAGE: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

SHELF LIFE: This product should retain its conformance to sales specifications for a period of at least one month after shipment, if the product is stored at less than 100 degrees F. in its undamaged, unopened container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
EXPOSURE LIMITS							
Chemical Name		OSHA PEL		ACGIH TLV		Supplier OEL	
		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Ammonia	TWA	50 ppm [1]	35 mg/m ³ [1]	25 ppm	17 mg/m ³	NL	NL
	STEL	35 ppm	27 mg/m ³	35 ppm	24 mg/m ³	NL	NL

OSHA TABLE COMMENTS:

1. NL = Not Listed

ENGINEERING CONTROLS: Good general ventilation should be provided to minimize contact with vapors, or dust from dried-down product.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

SKIN: Wear suitable protective clothing and gloves.

RESPIRATORY: In case of insufficient ventilation, wear suitable respiratory equipment.

PROTECTIVE CLOTHING: Wear protective gloves and clean body-covering clothing. Chemically resistant protective clothing and boots may be required.

WORK HYGIENIC PRACTICES: Establish good personal hygiene and work practices. Always wash hands and face before eating, drinking or smoking. Provide safety shower and eye wash station in work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Mild amine odor.

APPEARANCE: Clear, blue-green

COLOR: Blue

pH: Slightly alkaline

VAPOR PRESSURE: ~ 15 mmHg

VAPOR DENSITY: > 1 (Air=1)

BOILING POINT: ~ (212°F)

FREEZING POINT: ~ (32°F)

SOLUBILITY IN WATER: Completely Miscible

EVAPORATION RATE: < 1 (n-Butyl Acetate=1)

DENSITY: ~ 9.37gal at (60°F)

SPECIFIC GRAVITY: ~ 1.120 (water=1) at (60°F)

VISCOSITY #1: ~ 1 Centipoise

COMMENTS: The information in this section is calculated from specific known information about this product. This information should not be used as exact test results or specifications. The information is provided as typical properties for this product.

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

STABILITY: Stable under ordinary conditions of use and storage.

POLYMERIZATION: Product will not undergo polymerization.

INCOMPATIBLE MATERIALS: Oxidizers, and strong acids.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: Mildly irritating to eyes.

SKIN EFFECTS: Skin Irritation, Rabbit. Mildly Irritating.

CARCINOGENICITY

Chemical Name	NTP Status	IARC Status	OSHA Status	Other	General Toxicity
Ammonia	No	No	No	No	

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Check with the local water/sewer authority before flushing to the sewer.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with all local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated by DOT

15. REGULATORY INFORMATION**UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS	TSCA SECTION
Ammonia	7664-41-7	

16. OTHER INFORMATION

REASON FOR ISSUE: Revised MSDS

APPROVED BY: Evonne Masello **TITLE:** Environmental Analyst

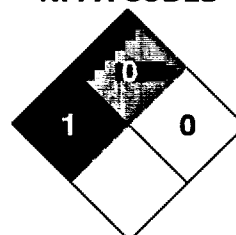
PREPARED BY: F. James Corbett

INFORMATION CONTACT: 800-422-2436 x 1163

REVISION SUMMARY: Revision #: 2 This MSDS replaces the March 15, 2005 MSDS. Any changes in information are as follows: In Section 1 Approved by Information Contact Comments In Section 8 Work Hygienic Practices Clothing Protection In Section 9 Comments In Section 10 Stability Polymerization In Section 12 Environmental Data

HMIS RATING

HEALTH:		1
FLAMMABILITY:		0
PHYSICAL HAZARD:		0
PERSONAL PROTECTION:	B	

NFPA CODES

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