

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

OSTREM CHEMICAL CO. LTD.
2310 - 80 AVENUE
EDMONTON AB T6P 1N2

Phone: 780-440-1911 or 780-446-0177
In Case of Emergency Only:
phone CANUTEC at (613) 996-6666

Product name: ACETIC RINSE SOLUTION
Other name: Acetic Acid Rinse CC-80
Distributed by: Caltech Tech Services
Product use: glassware rinse after washing
Date completed: 13-Jul-2011

Code: G503

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	%W/W	CAS number
acetic acid	15-40	64-19-7

3. HAZARDS IDENTIFICATION

Corrosive liquid. Causes burns. Harmful if swallowed. Combustible liquid.

4. FIRST AID MEASURES

Inhalation: Remove from exposure. Get fresh air.
Ingestion: Do not induce vomiting. If irritation persists, seek medical attention.
Eye contact: Flush with plenty of water for 15 minutes. Get medical attention if irritation persists.
Skin contact: Remove contaminated clothing and flush with plenty of water.

5. FIRE - FIGHTING MEASURES

Flash point (test method): 39C
Flammable limits (%):
 Lower: Not applicable
 Upper: Not applicable
Fire extinguishing substances: Use extinguishing media appropriate for surrounding fire.
Autoignition temperatures: Not applicable
Hazardous combustion products: May liberate carbon monoxide, carbon dioxide.
Explosion data:
 Sensitivity to mechanical impact: Not applicable
 Sensitivity to static discharge: Not applicable
Special firefighting procedures: As for surrounding fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear appropriate protective equipment.
Environmental precautions: Prevent from entering sewers, waterways or low areas.
Methods for cleaning up: Isolate hazard area and restrict access. Small spills: soak up with inert absorbent material and scoop into containers. Large spills: prevent contamination of waterways. Dike and pump into suitable containers. Clean up residual with absorbent material, place in appropriate container and flush with water.

7. HANDLING AND STORAGE

Handling: Do not ingest. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
Storage: Keep out of reach of children. Keep container tightly closed. Store in a cool, dry area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: Provide exhaust ventilation to keep airborne levels below recommended exposure limits.

Respiratory protection: If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved respirator

Eye protection: Chemical goggles. Wear a face shield if splashing hazards exists.

Other protection: Wear protective clothing as necessary to prevent skin contact.

Exposure limits:

INGREDIENT	ACGIH	OSHA	Other
acetic acid	10ppm (TLV)	10ppm (PEL)	

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid	Solubility in water: Complete
Boiling point: 110C	Vapour pressure: Not available
Vapour density: Not available	Evaporation rate: Not available
Freezing point: 16C	Odour threshold: Not available
Sp. Gravity: 1.012	pH: 2-3
Appearance & odour: colourless liquid with vinegar odour	

10. STABILITY AND REACTIVITY

Stability: Stable

Conditions of instability: Not available

Incompatibility: () Water (X) Oxidizers () Acid (X) Base () Other

Conditions of reactivity: Not available

Hazardous decomposition products: Not available

11. TOXICOLOGICAL PROPERTIES

POTENTIAL ACUTE HEALTH EFFECTS

Inhalation: Corrosive to respiratory system.

Ingestion: Harmful if swallowed. Causes burns to mouth, throat and stomach.

Eye contact: Causes burns.

Skin contact: Causes burns.

Skin absorption: Not available

POTENTIAL CHRONIC HEALTH EFFECTS:

Inhalation: No known significant effects

Ingestion: Not available

Eye contact: Not available

Skin contact: Not available

Skin absorption: Not available

Irritancy of product:	See WHMIS criteria
Sensitization of product:	Not available
Carcinogenicity: IARC (1, 2A or 2B) ACGIH: (A1, A2 or A3)	No known significant effects. A3
Reproductive toxicity:	No known significant effects.
Teratogenicity:	No known significant effects.
Mutagenicity:	No known significant effects.
Synergistic product:	Not available

HAZARDOUS INGREDIENTS
acetic acid

CAS NO.
64-19-7

TOXICITY DATA
LD50 Oral (rat) 3310 mg/kg
LC50 Inhalation (rat) 2810 ppm/4H

12. ECOLOGICAL INFORMATION

Ecotoxicological information: Not available

Other information:

13. DISPOSAL CONSIDERATIONS

Waste disposal: Disposal of all waste must be done according to local, provincial and federal regulations.

14. TRANSPORT INFORMATION

TDG classification: ACETIC ACID SOLUTION; Class 8; UN 2790; PG III

15. REGULATORY INFORMATION

WHMIS: E Corrosive Material
B3 Combustible Material

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

16. PREPARATION INFORMATION

Prepared by: Technical Services Department, Ostrem Chemical Co. Ltd., Ph: (780) 440-1911

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