



Hi Power Rinse

Machine Rinse Additive

DESCRIPTION

Hi Power Rinse is a liquid rinse additive which is metered into the final rinse of the dishwashing machine in very minute quantities through the rinse injector. *Hi Power Rinse* contains wetting agents to greatly reduce the surface tension of the rinse water. This allows water to drain completely and quickly producing spot-free, sparkling dishes and cutlery.

DIRECTIONS

Very minute quantities of *Hi Power Rinse* are injected directly into the final rinse through the rinse injector. For best results, and to meet local health regulations, the final rinse water temperature should be 80 °C - 90 °C (180 °F - 195 °F).

Please consult your *M-chem* representative for specific feeding recommendations to meet your particular needs.

PHYSICAL DATA:

Appearance	Clear liquid
Color	Dark blue
Foam	Low
Odor	Mild
pH	4.0 - 5.0

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **HI POWER RINSE**

WHMIS CODE: D2B
Proper Shipping Name: N/A
Hazard Class: N/A
UN Number: N/A

Product Use: *Dishmachine rinse aid.*

HMIS	
1	Health
0	Flammability
0	Reactivity
B	Personal

A=Goggles, B=Goggles & Gloves
C=Goggles, Gloves and Apron

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ABBREVIATION KEY: N/A=Not Applicable, N/E=Not Established, N/D=Not Determined, > =Greater Than

SECTION 2 – HAZARDOUS INGREDIENTS INFORMATION

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>RANGE %</u>	<u>PEL</u>	<u>TLV</u>
NO HAZARDOUS MATERIALS.				

SECTION 3 – PHYSICAL DATA

Color and Odor: Clear blue, mild odor. **Boiling Point:** 100°C approx. **Vapor Pressure (mm HG):** N/D **pH:** 6.0 – 7.0
Physical State: Liquid. **Melting Point:** N/A **Vapor Density:** N/D **Specific Gravity:** 1.007 @ 20°C
Coef. Water/Oil Dist: Greater than 1.0 **Evaporation Rate:** N/D **Solubility in Water:** Soluble **Odor Threshold:** No Data

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: None to 100°C (TCC) **Sensitivity to Mechanical Impact:** None. **Extinguishing Media:** Not flammable.
Flammable Limits: None known. **Sensitivity to Static Discharge:** None. **Auto ignition Temperature:** None known.
Unusual Fire and Explosion Hazards: None. **Conditions of Flammability:** None.
Hazardous Combustion Products: Carbon and sulfur oxides.
Special Fire Fighting: Wear NIOSH/MSHA approved, self-contained breathing apparatus for fire fighting situation. Use water spray to cool all nearby fire exposed surfaces.

SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable under normal storage conditions.
Hazardous Polymerization: Will not occur.
Incompatibility (material to avoid): Strong oxidizing agents.
Hazardous Decomposition Products: Liberates carbon and sulfur oxides liberated upon thermal decomposition.

SECTION 6 – TOXICOLOGICAL DATA

Exposure Limits: See Section 2 under Hazardous Ingredient. **Routes of Entry:** Skin and eye contact.
Irritancy of Product: May be irritating to eyes. **Carcinogenicity:** None known.
Sensitization: None known. **Mutagenicity:** None known.
Name of Toxicological Synergistic Product: None known. **Reproductive Toxicity:** None known.
Effects of Chronic Exposure: None known. **Teratogenicity:** None known.
Effects of Acute Exposure to Product: Product exposure may irritate eyes. Prolonged or repeated exposure to skin may cause dryness. Ingestion may cause gastro-intestinal or abdominal discomfort.

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: Not required for normal use of product.
Ventilation: Good general ventilation or local exhaust ventilation for spraying and misting in confined areas.
Protective Gloves: Not required for normal use of product.
Eye Protection: Normally not required. However, Chemical goggles or safety glasses when eye contact may occur.
Protective Clothing and Equipment: Eyes wash recommended in the immediate work area.
Storage and Handling Procedures: Use good Industrial hygiene. Avoid contact with skin, eyes and clothing. Store in a cool, dry place away from incompatibles. Keep container closed when not in use. Do not mix with other chemicals. Store at temperatures below 30°C and keep from freezing.
Disposal Procedures for Spills or Leaks: Wear protective equipment. Soak up spills with absorbents, then dispose of in an appropriate waste container. Keep material away from sewers.
Waste Disposal Method: Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.
Special Shipping Information: Store at temperatures below 30°C. Keep from freezing.

SECTION 8 – EMERGENCY FIRST AID PROCEDURES

First Aid:
If swallowed, give plenty of clean water to drink to dilute product. Do not induce vomiting. Call a Physician. In case of contact with eyes, flush with clean water for 15 minutes. Get medical attention. For contact with skin, wash with clean water and rinse well. If irritation occurs or persists, get medical attention.

PREPARATION DATA

PREPARED BY: Technical Service / Regulatory Division PHONE: 604-526-5655 LAST UPDATE: 07/04/11
THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN OBTAINED FROM CURRENT SOURCES AND IS BELIEVED TO BE RELIABLE