



Machine Rinse Additive

DESCRIPTION

Muscle Rinse is a concentrated wetting agent that contains surfactants and special ingredients that lower the surface tension of water and eliminate streaks and spots.

Muscle Rinse is formulated for hard water applications and is economical and effective for use with all types of machines, including bar glass washers.

SPECIAL INFORMATION

Muscle Rinse is a Canadian Food Inspection Agency (CFIA) approved product for use in registered food processing plants.

DIRECTIONS

Muscle Rinse is automatically dispensed into the rinse cycle to eliminate water spotting on glass, china, porcelain flatware and provide streak-free results with improved drying time. Best results are achieved with the water temperature between 60°C - 80°C (140°F - 180°F).

Please consult your Maxim representative for specific recommendations to meet your particular needs.

PHYSICAL DATA

Appearance	Clear liquid
Color	Dark blue
Foam	None
Odor	Mild surfactant
pH	2.0 - 3.0

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **MUSCLE RINSE**

WHMIS CODE: D2B

Product Use: *Hard water rinse aid.*

Proper Shipping Name: N/A

Hazard Class: N/A

UN Number: N/A

HMIS

1	Health
0	Flammability
0	Reactivity
A	Personal

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EMERGENCY PHONE

Canada: Canutec 613-996-6666

U.S.A.: Chemtrec 800-424-9300

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

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

SECTION 2 – HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	CAS NO.	RANGE %	PEL	TLV
CITRIC ACID	77-92-9	1.0 - 5.0	NONE	NONE
LD50	5040 mg/kg (oral, mouse)			
LD50	N/D (Dermal)			
LC50	N/D			

SECTION 3 – PHYSICAL DATA

Color and Odor: Dark blue liquid, mild odor.	Boiling Point: N/D	Vapor Pressure (mm HG): N/D	pH: 2.0 – 2.5
Physical State: Liquid.	Melting Point: N/A	Vapor Density: N/D	Specific Gravity: 1.03 @ 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: Oxides of carbon and sulfur, and other possible unidentifiable organic compounds.

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: Carbon and sulfur Oxides liberated upon thermal decomposition.

SECTION 6 – TOXICOLOGICAL DATA

Exposure Limits: See Section 2 under Hazardous Ingredient.	Routes of Entry: Skin, eyes, inhalation.
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. Inhalation of vapours or mists is unlikely because of product use. Ingestion may cause gastrointestinal and 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.

Eye Protection: Not required.

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. Dike and contain large spills. Pump spills into an approved waste container. For small spills, soak up with a suitable absorbent such as clay, soil or commercially available absorbents, and then dispose of into an approved waste container. Keep away from sewers and natural waters.

Waste Disposal Method: Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.

Special Shipping Information: Store at temperature 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

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THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN OBTAINED FROM CURRENT SOURCES AND IS BELIEVED TO BE RELIABLE