

MATERIAL SAFETY DATA SHEET

Product Name: **Tire & Wheel Cleaner**

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Supplied by: **KROWN RUST CONTROL SYSTEM**
247 CREDITSTONE ROAD
CONCORD ON L4K 1N6

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SECTION I

PRODUCT INFORMATION

Product usage: Spray on cleaner for automobile tires and wheels.
Product type: Water based organic-inorganic chemical blend
WHMIS Class: Toxic material, CLASS D-2B (Skin and Eye Irritant).
TDG Class: Not Regulated.

SECTION II

HAZARDOUS INGREDIENTS

INGREDIENT	%	CAS#	TOXICITY
Sodium Carbonate	< 5	497-19-8	LD50 (oral rats) 2.8 g/kg
Ethylene glycol mono-butyl ether	< 5	111-76-2	LD50(oral rats) 1.5 g/kg; TLV 50 ppm Chronic exposure: may cause blood changes, headache, drowsiness, dizziness, weakness, tremor
Diethylene glycol mono-butyl ether	< 5	112-34-5	LD50(oral rats) 5.66 g/kg; LD50 (dermal rabbit) 4.0 g/kg TLV n.a.
Monoethanolamine	< 5	141-43-5	LD50 (oral rats) 2.7 g/kg. Corrosive.
Organic Detergent	5 - 15		Eye Irritant

SECTION III

PHYSICAL & CHEMICAL PROPERTIES

Appearance: Clear blue-green liquid	Density (g/ml): 1.06
pH as is: 9.5 - 11.0	Freezing point: 0 Deg. C.
pH use dilution: 9.5 - 11.0	Boiling Point: 100 Deg. C.
Solubility in water: Soluble in all proportions	Evaporation Rate: Same as water.
Odour: Sweet licorice	Viscosity: As water.

SECTION IV

FIRE AND EXPLOSION HAZARDS

Flash point: Over 120 Deg. C. after drying
Flammability: Non-flammable
Combustion products: Oxides of carbon, and incomplete combustion products
To Extinguish: Water fog, carbon dioxide, dry chemical
Other: None

SECTION V

HEALTH HAZARD DATA

Effects of Acute Exposure to:

Skin: May cause skin irritation, defatting, chapping.
Eyes: Irritating and may cause corneal injury.
Ingestion: Accidental ingestion may cause burning pain in mouth, esophagus and stomach due to alkaline nature of product.
Inhalation: If misted, irritates mucous membranes. Use coarse spray only.
Other: On chronic skin exposure, 2-butoxyethanol may be absorbed causing blood changes as listed for pure chemical. Effect is expected to be reduced due concentration in product and limited exposure. No carcinogenicity, mutagenicity, teratogenicity, reproductive effects reported for ingredients.

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SECTION V

HEALTH HAZARD DATA

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First Aid Procedures...

- Skin:** Remove contaminated clothing immediately. Wash exposed areas with copious amounts of running water. May be neutralized with sodium bicarbonate, Epsom salts, or vinegar. Call a physician if necessary.
- Eyes:** Flush with water running water for 20 minutes lifting the upper and lower eyelids occasionally. Remove contact lenses if present. If irritation persists, get medical attention.
- Ingestion:** Do not induce vomiting. If victim is alert and not convulsing, give 1-2 glasses of water to dilute material. Immediately contact local poison control centre. Vomiting should be induced under the direction of a physician or a poison control centre. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus, rinse mouth and administer more water. Immediately transport victim to an emergency facility.
- Inhalation:** Move victim to fresh air. Give artificial respiration only if breathing has stopped. Give cardiopulmonary resuscitation (CPR) if there is no breathing and no pulse. Obtain medical advice immediately.

SECTION VI

REACTIVITY DATA

Hazardous polymerization will not occur. Do not mix with strong acids, alkalis; oxidizing and reducing agents. Do not mix with chlorine bleach.

SECTION VII

CLEANUP OF SPILLS OR LEAKS

- Disposal method:** Flush contaminated area with plenty of water. For large spills, check with local environmental department, and government authorities.

SECTION VIII

SPECIAL PROTECTION

- Ventilation:** Normal building ventilation is adequate.
- Breathing Protection:** Suitable breathing mask or respirator if mists or vapours are present. Use coarse spray only. Avoid breathing spray.
- Skin Protection:** Rubber gloves, rubber boots, or barrier cream if contact is expected.
- Eye Protection:** Safety glasses with side shields when there is potential for eye contact

SECTION IX

SPECIAL PRECAUTIONS

As with all chemicals there are known and unknown effects on humans.
Minimize exposure of all chemicals, including this product, to skin, respiratory system, and eyes.
Keep out of reach of children. Avoid contamination of food.
Wash thoroughly after handling. Store in cool dry area. Do not freeze.

References: Suppliers Material Safety Data Sheets.

Prepared by: Technical Dept.

NOTICE: The data and information presented herein are based upon tests, research and reports which are considered by us to be reliable and believed to be accurate. The data and information are presented without warranty, guarantee or liability on our part, and are presented to the customer for his own consideration, investigation and verification. If user requires independent information on ingredients in this or any other material, we recommend contact with Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (905 572-4400)