



MATERIAL SAFETY DATA SHEET

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CORINOX

SECTION I: IDENTIFICATION OF PRODUCT

Product Name: CORINOX
Chemical Family: Neutralized phosphate ester
WHMIS Classification: D2A; D2B
Workplace Hazard: Chronic toxic effects; skin and eye irritant; ingestion hazard.

Product Use: Corrosion inhibitor
TDG Classification: Not Regulated
Packaging Group: Not applicable
PIN: Not applicable

SECTION II: HAZARDOUS INGREDIENTS

Ingredients	Percent	CAS Number	LD ₅₀ (Species/Route)	LC ₅₀ (Species/Route)
Ethylene glycol	10-30	107-21-1	4700 mg/kg	Not Available
Sodium Sulphite	5-10	7757-83-7	Not determined	Not determined

SECTION III: TOXICOLOGICAL PROPERTIES

Route of entry: Skin Eye Contact Inhalation Ingestion

Effects of acute exposure:

- **Eye Contact:** Liquid, vapour or mist causes irritation, experienced as stinging, excess blinking and tear production, with redness of the conjunctiva. Injury to the cornea is not expected.
- **Skin contact:** May cause irritation.
- **Ingestion:** May cause abdominal discomfort or pain, nausea, vomiting, dizziness, drowsiness, malaise, blurring of vision, irritability, lumbar pain oligurea, uremia and CNS effects including irregular eye movements, convulsions and coma.
- **Inhalation:** Mist may cause irritation of the nose and throat with headache. Heated vapours may produce nausea, vomiting, headache, dizziness and irregular eye movements.

Effects of chronic exposure: Prolonged contact or repeated exposure may cause skin irritation. May cause defatting, drying and cracking of the skin. Prolonged and repeated contact may lead to dermatitis. Inhalation of large amounts of ethylene glycol can cause severe kidney damage.

Exposure limits: Not applicable.

Irritancy of product: Not applicable

Carcinogenicity: No information available.

Reproductive toxicity: No information available.

Teratogenicity: Ethylene glycol has been shown to produce teratogenic effects in rats & mice at high concentrations or doses.

Mutagenicity: No information available.

Name of toxicological synergistic products: No information available



SECTION IV: FIRST AID MEASURES

Skin contact: Remove contaminated clothing and wash contaminated skin thoroughly with soap and water. If irritation persists, or develops, obtain medical attention.

Eye contact: Immediately flush with gently flowing, warm water for at least 15 minutes. Remove contact lenses if present. Hold eyelids open to ensure thorough flushing. If irritation persists, obtain medical attention.

Inhalation: Move to area free from contaminants. Apply oxygen or artificial respiration if required. If breathing difficulties or distress continues, obtain medical attention.

Ingestion: Do not induce vomiting. If conscious, rinse out mouth and give 1 to 2 glasses of water to drink. If spontaneous vomiting occurs, keep head below hips to prevent aspiration, and give more water. Obtain immediate medical attention. If medical assistance is not immediately available and victim has swallowed a moderate amount of product, give three to four ounces of hard liquor. For children give proportionately less liquor according to weight. Never give anything by mouth to a victim unless fully conscious.

SECTION V: PHYSICAL DATA

Physical state: Liquid

Appearance and odour: Amber to yellow liquid; sweet odour

Odour threshold: Not determined

Specific gravity: 1.20

Vapor pressure (mmHG): Not determined

Vapor density (Air=1): Not determined

Evaporation rate: Not determined

Boiling point (°C): Not determined

Freeze/Melting point (°C): <-25

pH: 7-9

Co-efficient of water/oil distribution: Not applicable



SECTION VI: FIRE AND EXPLOSION DATA

Conditions of flammability: This product may burn under fire conditions if solvent is boiled off.

Means of extinguishing: Dry chemical, foam, CO₂, or water.

Flash point: >100 °C (TCC)

Upper flammable limit: Not determined

Lower flammable limit: Not determined

Auto-ignition temperature: Not determined

Hazardous combustion products: Not applicable

Explosion data-sensitivity to mechanical impact: Not applicable

Explosion data-sensitivity to static discharge: Not applicable

SECTION VII: REACTIVITY DATA

Chemically unstable (conditions): Stable.

Product incompatible with: Strong oxidizers and strong acids.

Conditions of reactivity: Not available

Hazardous decomposition products: Oxides of carbon and smoke on combustion



SECTION VIII: PREVENTATIVE MEASURES

Personal protective equipment: Use approved respirators with organic vapour cartridges if airborne concentration exceeds TLV. Suggest chemical goggles and/or full-face shield be worn. Suggest rubber or viton gloves.

Specific engineering controls: Use local exhaust ventilation, process enclosure or other engineering controls to maintain concentration of airborne vapours below TLV, if required. Ensure eye wash station and emergency shower are available

Procedures for leak/spills: Use appropriate safety equipment. Eliminate ignition sources. Stop leak if possible to do so without risk. Small spills; soak up with absorbent material; collect used absorbent material in approved containers for disposal. Large spills; dike to prevent spread; collect diked material with vacuum truck. Collect uncontaminated material for repackaging. Collect contaminated material in approved containers for disposal. Treat remaining material as a small spill. Wash spill area thoroughly with water. Ensure spilled material does not enter storm sewers or public waterways.

Waste disposal: Dispose in accordance with federal, provincial and local regulations. It is the responsibility of the end-user to determine if material meets the criteria of hazardous waste at the time of disposal. Empty containers that have not been cleaned or purged must be disposed of, or recycled, in accordance with local regulations.

Handling procedures and equipment: Avoid ingestion. Practice reasonable caution and personal cleanliness. Avoid skin and eye contact. Launder contaminated clothing before reuse.

Storage requirements: Store in a cool, dry area away from incompatible materials and ignition sources. Keep container tightly closed when not in use. Store unused material in original container. Follow all directions for use given on container label. Empty packages contain residual hazardous material and should be stored and handled as if full.

Special shipping information: Not applicable

SECTION IX: PREPARATION

Date updated: October, 2007

Prepared by: Product Safety Committee

All the recommendations and suggestions herein concerning this product are based upon tests and data believed to be reliable, however it is the user's responsibility to determine the safety, toxicity and sustainability for their own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Q'Max Solutions Inc. as to the effects of such use, the results to be obtained, or the safety and toxicity of the product nor does Q'Max Solutions Inc. assume any liability arising out of use by others. Nor is the information herein to be considered as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.