

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTIFICATION

Product Name: **TYLA**
Product Use: Ready to use liquid cleaner
WHMIS Class: D2B, E
TDG Classification: Class 8
Packing group III
UN Number : UN3265
T.D.G. Shipping Name: CORROSIVE LIQUID ACIDIC, ORGANIC, N.O.S.(urea monohydrochloride)

Manufactured by :
Chemotec (PM) Inc.
8820 Place Ray Lawson
Anjou, Quebec, Canada H1J 1Z2
Telephone: (514) 729-6321; 1-800-729-6321

Emergency Phone: as above or call **CANUTEC** (613) 996-6666 in case of **chemical emergency only.**

SECTION 2: HAZARDOUS INGREDIENTS

<u>Ingredients</u>	<u>CAS #</u>	<u>Wt %</u>	<u>TLV</u>	<u>LC₅₀</u>	<u>LD₅₀</u>
Urea hydrochloride	506-89-8	7 - 13	n/a	n/a	n/a
Alcohol ethoxylate	68991-48-0	1 - 5	n/a	n/a	>2000 mg/kg (oral, rat)

SECTION 3: PHYSICAL DATA

Boiling Point (°C): > 100.
Vapor Pressure (mm Hg): n/a
Vapor Density (Air = 1): n/a
Solubility in Water: Complete
Physical State: Liquid
Appearance and Odor: Green liquid pleasant scent.

Specific Gravity (H₂O = 1): 1.03 at 20 °C
% Volatile (Wt %): 70 - 80
Evaporation Rate (Water = 1): > 1
pH (as supplied): Approx. 1
Viscosity: < 1000 cps at 25 °C
Odor Threshold (ppm): n/a

SECTION 4: FIRE AND EXPLOSION DATA

Flammability: Non flammable, Non Combustible.

Flash Point (TCC, °C): > 93.3 LEL: Not applicable UEL: Not applicable

Hazardous Combustion Products: carbon oxides, nitrogen, and chlorine. Hydrogen may be released upon contact with certain metals, especially aluminum.

Autoignition Temperature (°C): Not applicable.

Means of Extinction: Water spray, carbon dioxide and dry chemical.

Special Fire Hazards: At temperatures above 60 °C, acid action on metals may release hydrogen, a highly flammable and explosive gas.

SECTION 5: REACTIVITY DATA

Conditions for Chemical Instability: This product is stable under normal conditions. It does not polymerize.

Incompatible Materials: Strong oxidizing agents, alkalis (contact will generate heat), carbonates, organic peroxides, hypochlorites (bleach), sulfides, cyanides, fluorides (contact will liberate toxic gases).

Reactivity, and Under What Conditions: If strongly heated or if in contact with incompatible substances, the product decomposes and forms toxic or flammable gas.

Hazardous Decomposition Products: oxides of carbon, nitrogen, and chlorine. Hydrogen gas may be released upon contact with most metals.

SECTION 6: TOXICOLOGICAL PROPERTIES

Route of Entry: eyes, skin, ingestion, inhalation.

EFFECTS OF ACUTE EXPOSURE:

Eye: Corrosive to the eyes.

Skin: Prolonged or repeated contact can cause irritation. Non-corrosive to skin.

Ingestion: May be harmful or fatal if ingested.

Inhalation: Can be irritating to the respiratory tract if inhaled as a mist or if the product is vaporized.

SECTION 6: TOXICOLOGICAL PROPERTIES

EFFECTS OF CHRONIC EXPOSURE:

Irritancy: Prolonged or repeated exposure can cause drying, defatting, and dermatitis.

Skin sensitization: Non-sensitizer.

Carcinogenicity: Non-hazardous by WHMIS/OSHA criteria.

Teratogenicity : Not found to be teratogenic.

Mutagenicity: Not found to be mutagenic.

Synergistic Materials: Not applicable information found.

SECTION 7: PREVENTION MEASURES

Gloves: Plastic or rubber gloves to manipulate product.

Eye Protection: Goggles with side shields.

Respiratory Protection: Not required, if adequate ventilation is available. Avoid breathing vapor or mist

Other Protective Equipment: Waterproof boots and apron if large spill.

Engineering Controls: Shower and eye wash station. Provide adequate ventilation.

Leak and Spill Procedure: Evacuate and ventilate area. Wear personal protective equipment. Stop the leak. Absorb the product with inert absorbent and place it in a tightly closed container for destruction. Prevent large spills from entering sewers.

Waste Disposal: Contact regional office of Environment Ministry.

Storage Requirements: **KEEP OUT OF REACH OF CHILDREN**. Keep in a tightly sealed container, in a cool, dry place. Do not store with food products. Keep from freezing.

SECTION 8: FIRST AID

Eye: Immediately rinse with plenty of water for 15 minutes, keeping eyelids open. Seek medical attention immediately.

Skin: Rinse with potable water for 15 minutes. Remove soiled clothes and wash before wearing. Seek medical attention should an irritation develop.

Inhalation: Bring the person to fresh air. Seek medical attention if discomfort persists.

Ingestion: Give plenty of water. Never administer anything by mouth if the person is unconscious. Do not induce vomiting. Seek immediate medical attention.

SECTION 9: PREPARATION INFORMATION

Date: 2009-03-02

Phone: (514) 729-6321

Prepared by:

Chemotec (PM) Inc.

Abbreviation:

n/a: not available

Disclaimer:

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the mandatory requirements of WHMIS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages that may result from the use of or reliance on any information contained in this form. If user requires independent information on ingredients in this or any other material, we recommend contact with the Canadian Center for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (1-800-263-8276) or CSST in Montreal (514-873-3990).