

1- IDENTIFICATION

Product name: **Z-99**
Description: Industrial cleaner degreaser
Product family: Aqueous mixture. To be dilute.
Restrictions on use: For industrial use only.
Supplier/Manufacturer: MAUNCO CLEANING AND SUPPLIES WAREHOUSE
270 Adams street, Belleville, Ontario, K8N 5S4
613 962-0437 www.maunco.com

2- HAZARDS IDENTIFICATION**Product classification:**

Other health effects (less severe)
Skin / respiratory and ocular irritant

GHS pictogram:**Signal word:**

WARNING

May cause irritation or moderate burns in direct contact with the skin, eyes.
May cause irritation of the respiratory and digestive tracts.
Harmful if swallowed in large quantities.

Individual protection:

Visor or splash goggles.
Rubber or neoprene glove

3- COMPOSITION/INFORMATION ON INGREDIENTS

MIX

<u>Name</u>	<u>CAS Number</u>	<u>% weight</u>
Sodium metasilicate	6834-92-0	1-5
Propylene glycol n propyl ether	1569-01-3	1-5
Ethoxylated fatty alcohols	68131-39-5	1-5
Propylene glycol n propyl ether	1300-72-7	1-5

4- FIRST AID MEASURES

Eye contact:	Rinse eyes quickly using plenty of water for several minutes, removing eyelid if possible. See a doctor immediately.
Skin contact:	Remove contaminated clothing quickly using gloves. Rinse skin with water and soap for 20 minutes or until the chemical is removed. If irritation persists, seek medical attention.
Inhalation:	In the event of inhalation of mists, move the person to a ventilated area and place in a semi-sitting position. In case of respiratory difficulty, consult a doctor.
Ingestion:	If swallowed, rinse mouth. Drink a glass of water. Do not induce vomiting and consult a doctor immediately.

5- FIRE-FIGHTING MEASURES

Flamability of the product:	Not flammable
Extinguishing media:	Use any extinguishing media appropriate to surrounding.

6- ACCIDENTAL RELEASE MEASURES

Personal protection:	Respiratory protection with full face mask. Rubber gloves with long sleeve. Rubber boots. Tight tracksuits
Environmental precautions:	Avoid dispersal from entering sewers, waterways or low areas.
Methods for cleaning:	Small spill: Mop up or absorb liquid with inert absorbent material. Contain residues in an airtight container. Refer to section 13 for waste disposal. Complete cleaning, rinsing with water. Large spill: Ventilate the premises. Absorb with inert absorbent material. Contain residues in an airtight container. Refer to section 13 for waste disposal. Complete cleaning, rinsing with water.

7- HANDLING AND STORAGE

Handling:	Avoid operations that produce a cloud of fog. Handle away from incompatible materials. Avoid contact with the skin. Wear eye protection and, in the event of insufficient ventilation, appropriate respiratory protection. Workers handling or transferring corrosive substances should wear appropriate personal protective equipment. This product is moderately irritating. If it is handled or transferred regularly or frequently, eye washers or compliant emergency showers should be made available to workers and be located in the vicinity of the workplace. Avoid wearing contact lenses when handling the product.
Incompatibility with:	Strong oxidizing agents, acids
Storage:	In a cool, dry place. Between 5 and 35 ° C.

Note: The information contained in this document is for the concentrated product as sold. In dilution of recommended use, the risks inherent to this product are greatly reduced. Preventive measures may be adjusted according to the employer's judgment according to the experience and / or level of expertise of the workers.

8- EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures: Eyewash and emergency showers near the working place.

<u>Name</u>	<u>TLV - ACGIH*</u>	<u>IDLH</u>
Sodium metasilicate	not avail	not avail
Propylene glycol n propyl ether	not avail	not avail
Ethoxylated fatty alcohols	not avail	not avail
Propylene glycol n propyl ether	not avail	not avail

**Consult local officials to know the exposure values considered acceptables.*

Personal protection

Respiratory: None generally required if ventilation is normal and proper.

Eye: Visor or safety goggles.

Hands: Rubber or neoprene gloves

Chlothing: Use rubber apron or other protection depending on the nature of the job.

General: Avoid to wear contact lenses when handling the product.

9- PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Blue liquid
Odour:	solvant
Odor threshold:	not available
pH:	Between 12 and 13
Freezing point / melting point:	not available
Boiling point:	not available
Flash point:	not available
Evaporating rate:	not available (ether=1)
Flammability:	not flammable
Flammable limits	not available
Vapor pressure:	not available (mm Hg)
Vapor density:	not available (air=1)
Specific gravity:	1.050 (water=1)
Solubility in water:	Miscible in cold water as with hot water.
N-octanol / water partition coefficient:	not available
Auto ignition temperature:	not available
Decomposition temperature:	not available
Viscosity:	10 cps (22°C, spindle #1, 20rpm)

10- STABILITY AND REACTIVITY

Chemical stability: The product is stable under normal condition.

Hazardous reactions: Refer to Section 7 incompatible materials

Decomposition products: No data

Incompatibility with: Refer to Section 7 incompatible materials

11- TOXICOLOGICAL INFORMATION

Datas: There are no data for the product, only for the ingredients

<u>Name</u>	<u>DL₅₀ (rat, oral)</u>	<u>CL₅₀ (rat, 4h)</u>
Sodium metasilicate	1153 mg/kg	not av
Propylene glycol n-propyl ether	not av	not av
Ethoxylated fatty alcohols	not av	not av
Sodium xylène sulfonate	not av	not av

Chronic health effects

Carcinogenic effects: No data

Teratogenic effects: No data

Reproductive effects: No data

Synergistic product: No data

12- ECOLOGICAL INFORMATION

Ecotoxicity: (fish, aquatic invertebrates, aquatic plants, microorganisms): no data

Biodegradability: No data

Other adverse effects: No data

13- DISPOSAL CONSIDERATIONS

Waste disposal: Disposal of all waste must be done according to local, provincial and federal regulations.
Empty packaging can be recycled.

14- TRANSPORT INFORMATION

TGD classification: UN1760, CORROSIVE LIQUID, N.S.A.,(Sodium metasilicate), Class 8, PG III

Additional information: Limited quantity 5L



15- REGULATORY INFORMATION

WHMIS 1988 (Canada): E Corrosive substances



D2B Material causing other health effects. Irritating Skin / eye / respiratory

16-OTHER INFORMATION

Date of issue: 2018-01-23

References:

1. Manufacturer Datasheet
2. CNESST, Toxicological Directory, Products
3. RPD-SOR-2015-17
4. Technical Guidance on the Requirements of the Hazardous Products Act and the Hazardous Products Regulations - WHMIS 2015 Supplier Requirements

Notice to reader

The best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards as described herein, we cannot guarantee that these are the only hazards that exist.

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