

Section I. Product Identification and Uses

HMIS (HFRP)	
Health Hazard	2
Fire Hazard	0
Reactivity	0
Personal Protection	r

Common / Trade name	EXPRESS Vehicle Clnr	TDG	Class 8
WHMIS	D2A, D2B, E	PIN	UN3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Disodium trioxosilicate, sodium hydroxide)
Code	1289	PG	III
Material uses	Cleaner. Degreaser.		

Section II. Hazardous Ingredients

Name	CAS #	% by weight	TLV/PEL	LC50/LD50
Alkoxyethyleneoxy ethanol	68439-46-3	1 - 5	Not available.	ORAL (LD50): Acute: > 4600 mg/kg [Rat]. DERMAL (LD50):Acute: > 2000 mg/kg [Rabbit]
Sodium metasilicate, anhydrous	6834-92-0	0.5 - 1.5	Not available.	ORAL (LD50): Acute: 1189 mg/kg [Rat]. DERMAL (LD50):Acute: > 5000 mg/kg [Rat]
Trisodium nitrilotriacetate monohydrate	18662-53-8	1 - 5	Not available.	ORAL (LD50): Acute: 1100 mg/kg [Rat].
Sodium hydroxide	1310-73-2	0.5 - 1.5	STEL: 2mg/m3	Not determined.
Methyl alcohol	67-56-1	0.1 - 0.5	TWA: 200 ppm STEL: 250 ppm	ORAL (LD50): Acute: > 2000 mg/kg [Rat]. DERMAL (LD50): Acute: 17100 mg/kg [Rabbit].
Sodium Tripolyphosphate	7758-29-4	3 - 7	Not available	ORAL (LD50):Acute: > 2000 mg/kg [Rat] DERMAL (LD50):Acute: > 4640 mg/kg [Rabbit]

Section III. First Aid Measures

Eye contact	IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. DO NOT use an eye ointment. Seek medical attention.
Skin contact	Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. If irritation persists, seek medical attention.
Inhalation	Allow the victim to rest in a well ventilated area. Seek medical attention if discomfort persists.
Ingestion	DO NOT induce vomiting. Have conscious person drink several glasses of water. Seek immediate medical attention.

Section IV. Physical Data

Physical state and appearance	Liquid.	Colour	Ligh amber.
pH (1% soln/water)	12.0 - 13.0	Odour	Odorless.
pH (concentrate)	12.5 - 13.5	Volatility	82% (v/v).
Boiling point	The lowest known value is 100°C (212°F) (Water). Weighted average: 103.55°C (218.4°F)	Vapour density	Weighted average: 1 (Air = 1)
Specific gravity	1.08 - 1.10 (Water = 1)	Vapour pressure	Weighted average: 2.22 kPa (at 20°C)
Solubility	Miscible in water.		

Section V. Fire and Explosion Data

The product is	Non-flammable.
Auto-ignition temperature	Not applicable.
Flash points	Not applicable.
Degradation products	Carbon oxides (CO, CO2), phosphates, sulfur oxides (SO2, SO3...), metallic oxides.
Extinguishing media	Use DRY chemicals, CO2, water spray or foam.

Section VI. Reactivity data

Stability	The product is stable.
Decomp. products	See fire degradation products.
Reactivity	Incompatible with oxidizing materials, reducing materials, combustible materials, organic materials, metals, acids, moisture.

Section VII. Toxicological properties

Route of entry Eye contact. Ingestion. Inhalation. Skin contact.

Toxicity for animals Acute oral toxicity (LD50): 2310 mg/kg (RAT). (Calculated value for the mixture).

Acute effects Corrosive to skin and eyes on contact. Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath.

Chronic effects CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL EFFECTS: Not available. Prolonged exposure to the substance may cause chronic eye, skin and respiratory tract irritation.

Section VIII. Preventive measure

Waste disposal Dispose of material according to regional, provincial and federal regulations. Consult your local or regional authorities.

Storage Store in a dry, cool and well ventilated area.

Precautions Avoid contact with skin and eyes. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. In case of contact, immediately flush skin with plenty of water. Wear suitable protective clothing, gloves and eye/face protection.

Spill and leak Contain spill by diking. Dilute with water and mop up. Dispose of in accordance with federal, provincial, or local regulations.

Section IX. Personal protective equipment

Gloves Gloves (impervious)

Respiratory Wear appropriate respirator when ventilation is inadequate.

Eyes Splash goggles.

Other Splash goggles, gloves, full suit and boots: are recommended under exceptional circumstances such as fire, spill or for prolonged contact with bulk quantities.

Eng. controls Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Section X. Preparation and other Information

Validated by the Regulatory Affairs Department on January 10th 2014

EMERGENCY: CANUTEC 613-996-6666

To 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 the 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 and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Annex A. Legend

HMIS Hazardous Materials Identification System

WHMIS WHMIS Workplace Hazardous Materials Information System

TDG Transport Dangerous Goods

PIN Product Identification Number

PG Packaging Group
