

Section I. Product Identification and Uses

HMIS (HFRP)
Health Hazard 2
Fire Hazard 0
Reactivity 1
Personal Protection s

Common / Trade name NEUTRALIZER B LAUNDRY SOUR TDG Class 8
WHMIS D1B, E PIN UN1778 FLUOROSILICIC ACID
Code 0438 PG II
Material uses Industrial applications: Liquid neutralizer brightener.

Section II. Hazardous Ingredients

Name	CAS #	% by weight	TLV/PEL	LC50/LD50
Silicofluoric acid	16961-83-4	10 - 30	Not available.	ORAL (LD50):Acute: 10470 mg/kg [Rat].DERMAL (LD50):Acute: 17100 mg/kg [Rabbit].
Oxalic acid	144-62-7	1 - 5	Not available.	ORAL (LD50): Acute: 525 mg/kg [Rat]. DERMAL (LD50): Acute: > 2000 mg/kg [Rabbit].
Gluconic acid	526-95-4	0.5 - 1.5	Not available.	ORAL (LD50):Acute: 60600 mg/kg [Rat].DERMAL (LD50):Acute: > 2000 mg/kg [Rat].

Section III. First Aid Measures

Eye contact IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention.
Skin contact Wash the skin with running water and non-abrasive soap. COLD water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention.
Inhalation Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
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. (Clear.)	Colour	Yellow. (Light.)
pH (1% soln/water)	1.3 to 2 (Conc. (% w/w): 1) [Acidic.]	Odour	Odorless.
pH (concentrate)	1.3 - 2.0	Volatility	Not available.
Boiling point	The lowest known value is 100°C (212°F) (Water).	Vapour density	The highest known value is 1 (Air = 1) (Water).
Specific gravity	1.19 to 1.21 (Water = 1)	Vapour pressure	The highest known value is 2.3 kPa (at 20°C) (Water).
Solubility	Miscible in water.		

Section V. Fire and Explosion Data

The product is Non-flammable.
Auto-ignition temperature Not available.
Flash points Not applicable.
Degradation products Carbon oxides (CO, CO2) halogenated compounds
Extinguishing media SMALL FIRE: Use DRY chemicals, CO2, water spray or foam. LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet.

Section VI. Reactivity data

Stability The product is stable.
Decomp. products See fire degradation products.
Reactivity Reactive with metals.

Section VII. Toxicological properties

Route of entry Eye contact. Ingestion. Inhalation. Skin contact.
Toxicity for animals See section II
Acute effects Dangerous in case of skin contact (corrosive, irritant), of eye contact (irritant), of ingestion, of inhalation: liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Severe over exposure by ingestion or inhalation may be harmful.
Chronic effects CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated exposure may cause chronic eye, respiratory tract and skin irritation.

Section VIII. Preventive measure

Waste disposal	Dispose of material according to regional, provincial and federal regulations. Consult your local or regional authorities.
Storage	Keep away from heat, metals and oxidizing materials. Strong acids that are not strong oxidants should be stored in a separate safety storage cabinet or room. Keep container tightly closed in a cool, well-ventilated place.
Precautions	Keep locked up. Keep container dry. Keep away from heat, from sources of ignition. DO NOT ingest, breathe gas, fumes, vapor or spray. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin and eyes.
Spill and leak	Absorb with an inert DRY material and place in an appropriate waste disposal container. Dispose of in accordance with federal, provincial, or local regulations.

Section IX. Personal protective equipment

Gloves	Gloves (impervious)
Respiratory	In case of insufficient ventilation, wear suitable respiratory equipment.
Eyes	Splash goggles or a Face shield
Other	Full suit, apron, face shield, respiratory mask, 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 19 Apr. 2016

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 of 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
