



MATERIAL SAFETY DATA SHEET
858-01 / 858-05

Canutec 1-613-996-6666 (24 hours)

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product identification : 858-01 / 858-05
Product name : POWDER
Chemical family : Mixture
Supplier / Manufacturer : Auto-Chem Inc.
33 de Lyon
Repentigny, QC, Canada
J5Z 4Z3
Tel : 450-654-9292
Fax : 450-654-0633
www.autochem.com
Contact : Jean Dagenais

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS</u>	<u>Percentage</u>	<u>Exposure limits</u>
Sodium metasilicate	6834-92-0	60 – 100	LD50 1153 mg/kg, rat, oral

3. HAZARDS IDENTIFICATION

Routes of entry: Dermal contact. Eye contact. Inhalation. Ingestion.

Potential acute health effects :

Eye contact : Corrosive. Can cause burns.
Skin contact : Corrosive. Can cause burns.
Inhalation : Powder corrosive for respiratory tract.
Ingestion : Corrosive. Can cause burns to the mouth, oesophagus and stomach.

Potential chronic health effects :

Eye contact : None known.
Skin contact : None known.
Inhalation : None known.
Ingestion : None known.

4. FIRST AID MEASURES

Eyes : Rinse immediately with water or a saline solution for 15 to 20 minutes, lifting upper and lower eyelids. Remove contact lenses. Obtain medical attention if irritation develops.

Skin : In case of direct contact, rinse with running water 15 to 20 minutes. Remove contaminated clothing and wash with soap and water. If irritation persists, obtain medical attention.

Inhalation : Remove person to fresh air. In case of respiratory failure, give artificial respiration. In case of respiratory distress, obtain medical attention.

Ingestion : If ingested, obtain immediate medical attention. Rinse mouth and make victim drink a glass of water. Do not induce vomiting. Never give anything by mouth to an unconscious or convulsing person. In case of respiratory or cardiac arrest, start cardio-pulmonary resuscitation.

5. FIRE FIGHTING MEASURES

Flash point : Not applicable.
Auto-ignition temperature : Not applicable.
Flammability limits – air (%) : Not applicable.
Extinguishing media : Compatible with all extinguishing media.
Protective equipment : Firefighters must wear appropriate protection equipment and an autonomous breathing apparatus.
Hazardous combustion materials : Not applicable.

6. ACCIDENTAL RELEASE MEASURES

Wear chemical goggles, body-covering clothing, chemical resistant gloves and rubber boots.

Small spill : Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust.

Large spill : Keep unnecessary personnel away. Do not touch or walk through spilled material. Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust. Wear appropriate protective equipment. In case of contact with water, prevent runoff from entering storm sewers and ditches which lead to natural waterways. Neutralize contaminated area and slush with large quantities of water. Comply with applicable environmental regulations.

7. HANDLING AND STORAGE

Handling : Do not get in eyes, on skin or on clothing. Do not breathe dust. Keep container closed. Promptly clean up spills. Wash thoroughly after handling.

Storage : Keep container closed. Store in clean, tightly closed steel, fibre or plastic containers. Separate from acids, reactive metals, and ammonium salts. Do not store in aluminium, fibreglass, copper, brass, zinc or galvanized containers. This product can absorb water from the air. In case of high humidity or storage for extended periods of time, use plastic bags to enclose product containers to avoid caking. Packaged inventory should be used on a first in, first out basis

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering controls : Use only with adequate ventilation. Keep containers closed.

Personal protection equipment for routine handling :

Eye : Protective glasses.
Skin : Body covering clothing.
Gloves : Chemical resistant gloves.
Inhalation : Use a NIOSH approved dust respirator where dust is present.

Note : These precautions are for room temperature handling. Use at elevated temperatures or aerosol spray applications may require added protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state :	Granular powder.
Colour :	Tan.
Odour :	Pine.
pH @ 1% :	14
Relative density (g/cm ³) :	0.88 (free powder)
Boiling point :	Not applicable.
Freezing point :	Not applicable.
Vapour pressure :	Not applicable.
Volatiles (weight) :	Not applicable.
Solubility (water) :	Yes.
VOC (%) :	Not applicable.
Viscosity :	Not applicable.

10. STABILITY AND REACTIVITY

Chemical stability :	Stable under recommended storing conditions.
Hazardous polymerization :	None known.
Conditions to avoid :	None known.
Materials to avoid :	Generates heat when combined with acids. May react with ammonium salt solutions resulting in evolution of ammonia gas. Flammable hydrogen may be product on contact with aluminium, tin, lead, and zinc. Carbon monoxide gas may be produced on contact with reducing sugars.
Dangerous decomposition products :	Hydrogen.

11. TOXICOLOGICAL INFORMATION

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Inhalation :	Powder corrosive for respiratory tract.
Ingestion :	Corrosive. Can cause burns to the mouth, oesophagus and stomach.

Potential Chronic Health Effects:

Carcinogenic effects:	None known.
Mutagenic effects:	None known.
Teratogenic effects:	None known.

12. ECOLOGICAL INFORMATION

<u>Ingredient</u>	<u>CAS</u>	<u>Test</u>	<u>Species</u>
Sodium metasilicate	6834-92-0	LD50 2320 ppm/96 hrs	Gambusia affinis
		LD50 247 ppm/96 hrs	Daphnia magna
		LD50 632 ppm/96 hrs	Lymnea (oeufs)
		LD50 160 ppm/96 hrs	Amphipoda

Do not allow product or firefighting water runoff to enter sewers or waterways. Block sewers and ditches. Areas affected by a spill must be cleaned to their original condition or to the satisfaction of the authorities.

13. DISPOSAL CONSIDERATIONS

Waste disposal method : Dispose according to municipal, provincial and federal regulations. Waste material is classified as a hazardous waste because it exhibits corrosive characteristics.

Contaminated packaging : According to municipal, provincial and federal regulations.

14. TRANSPORT INFORMATION

Regulatory Information	Shipping name	UN	Class	PG
Classification TMD	Corrosive solid, alkaline, inorganic, n.o.s. (disodium trioxosilicate, pentahydrate)	3262	8	II

15. REGULATORY INFORMATION

WHIMS (Canada): E Corrosive

DSL : All components of this product are either on the Domestic Substance List (DSL), the Non-Domestic Substance List (NDSL) or exempt.

TSCA : U.S. TSCA Inventory Status : All components of this product are either on the Toxic Substances Control Act Inventory List or exempt.

16. OTHER INFORMATION

Prepared by : Auto-Chem Inc.

Date : Sept. 2015

Notice to reader :

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