Powered by SYSTÈME PREVENTIS SYSTEM
A global vision of prevention

safety data sheet
UNIVERSAL CLEANER

IMPER GUARD

1. Identification

Product identifier	UNIVERSAL CLEANER
Product code	IG0115
Other means of identification	None.
Recommended use of the chemical and restrictions on use	For exterior use only. Do not use indoors.
Distributor	IMPER GUARD 114, 2e Ave, Portneuf, Québec Canada G0A 2Y0 Tel. 418-285-0090 https://imperguard.com/
Emergency phone number	Imper Guard: 418-285-0090 Monday to Friday, 8:00 AM to 5:00 PM Quebec Poison Center: 1-800-463-5060 Canada Poison Center: 1-844-764-7669

2. Hazard identification

Summary	Avoid all contact with the skin, eyes and clothing. Do not inhale vapors, mists or spray. Do not ingest. If medical advice is needed, have this SDS or label at hand. Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risks involved.

WHMIS/GHS/OSHA HCS



Acute toxicity, oral (Category 4)
Skin irritation (Category 2)
Serious eye damage (Category 1)
Reproductive toxicity (Category 2)

DANGER
H318: Causes serious eye damage
H302: Harmful if swallowed
H315: Causes skin irritation
H361: Suspected of damaging fertility or the unborn child
P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P264: Wash face, hands and any exposed skin thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves, protective clothing, eye protection and face protection.
P308+P311: IF exposed or concerned: Call a POISON CENTER or doctor.
P301+P312+P330: IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth.
P302+P352: IF ON SKIN: Wash with plenty of water and soap.
P332+P313: If skin irritation occurs: Get medical attention.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to

do. Continue rinsing.
P310: Immediately call a POISON CENTER or doctor.
P362+P364: Take off contaminated clothing and wash it before reuse.
P405: Store locked up.
P501: Dispose of contents and container to an approved waste disposal plant.

3. Composition/information on ingredients

Chemical name	Common name and synonyms	CAS	Weight % content
Sodium metasilicate	Disodium metasilicate	6834-92-0	1 - 10 %

Note: Percentage of components whose acute toxicity by ingestion is unknown: 96%. The manufacturer withholds the actual concentration range of the ingredients as a trade secret.

4. First-aid measures

Inhalation	Move person to fresh air. If breathing is difficult, give oxygen by trained personnel. If not breathing, give artificial respiration. If a problem develops or persists, seek medical attention.
Skin contact	Wash skin with warm water and mild soap for at least 15 minutes. Remove contaminated clothing and wash before reuse. If a problem develops or persists, seek medical attention.
Eye contact	IMMEDIATELY! Flush with plenty of water. Remove contact lenses if easy to do. Flush with water for at least 15 minutes. Lift eyelids to rinse properly. Do not rub your eyes. Seek medical attention immediately.
Ingestion	DO NOT induce vomiting, unless recommended by medical personnel. Never give anything by mouth if victim is unconscious or convulsing. If victim is conscious wash out mouth with plenty of water. Seek medical attention or contact a Poison Centre immediately.
Other	No information available.
Symptoms	May cause severe eye damage. May cause skin irritation.
Notes to the physician	Treat according to person's condition and specifics of exposure. If gastric lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. Fire-fighting measures

Suitable extinguishing media	Use an extinguishing agent appropriate for the surrounding fire.
Unsuitable extinguishing media	Do not use a heavy water jet.
Specific hazards arising from the chemical	Hazardous fumes, gases or vapors may evolve on burning.
Hazardous combustion products	Sodium oxides (NaOx), silicon oxides (SiOx).
Special protective equipment	Firefighters must wear self contained breathing apparatus with full face mask. Firefighting suit may not be efficient against chemicals.
Special protective actions for fire-fighters	Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Do not touch damaged containers or spilled material. Make sure to wear personal protective equipment mentioned in this Safety Data Sheet.
Environmental precautions	Prevent product from entering drains and release to the environment. For a large spill, consult the Department of Environment or the relevant authorities.
Methods and materials for containment and cleaning up	Ventilate the area well. Stop leak, if it's possible to do so without risk. Absorb with inert material (soil, sand, vermiculite) and place in an appropriate waste disposal clearly identified. Finish cleaning the contaminated surface by rinsing with water. Dispose via a licensed waste disposal contractor.

7. Handling and storage

Precautions for safe handling	Use outdoors only! Avoid all contact with the skin, eyes and clothing. Do not inhale vapors, mists or spray. Wear eye protection, gloves, respiratory protection and other protective clothing that are adapted to the task being performed and the risks involved. Keep containers tightly closed when not in use. Do not eat, do not drink and do not smoke during use. After use, wash hands with soap and water. Wash contaminated clothing before reuse.
Conditions for safe storage, including any incompatibilities	Store tightly closed and in properly labelled containers in a cool, dry and well ventilated place. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Store away from incompatible materials (see section 10). Store away from direct sunlight. Keep away from freezing.
Storage temperature	10 to 38°C (50 to 100.4°F)

8. Exposure controls/personal protection

Immediately Dangerous to Life or Health	No IDLH value is reported.			
Sodium metasilicate	TWA (8h)	Respirable Dust	5 mg/m^3	OSHA
		Total Dust	15 mg/m^3	OSHA
Appropriate engineering controls	Provide sufficient mechanical ventilation (general or local exhaust) to keep the airborne concentrations of vapours, mists, aerosols or dust below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation.			
Individual protection measures				
Eye	Wear chemical splash goggles. If risk of contact with eyes or the face wear chemical splash goggles and a face shield.			
Hands	Wear nitrile or neoprene gloves. Before using, user should confirm impermeability. Discard gloves with tears, pinholes, or signs of wear. Gloves must only be worn on clean hands. Wash gloves with water before removing them. After using gloves, hands should be washed and dried thoroughly.			
Skin	Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Wear normal work clothing covering arms and legs as required by employer code. Wear an apron or long-sleeve protective coverall suit impervious to chemicals.			
Respiratory	Respiratory protection is not required for normal use. Where the conditions in the workplace require a respirator, it is necessary to follow a respiratory protection program. Moreover, respiratory protection equipment (RPE) must be selected, fitted, maintained and inspected in accordance with regulations			

	and standard 29 CFR 1910.134 (OSHA), ANSI Z88.2 or CSA Z 94.11 (Canada) and approved by NIOSH/MSHA.
Feet	


Apron


Goggles


Nitrile gloves

9. Physical and chemical properties

Physical state	Liquid	**Flammability**	Non-flammable
Colour	Amber	**Flammability limits**	N/Av.
Odour	N/Av.	**Flash point**	N/Av.
Odour threshold	N/Av.	**Auto-ignition temperature**	N/Av.
pH	10 to 12	**Sensibility to electrostatic charges**	No
Melting point	N/Av.	**Sensibility to sparks and/or friction**	No
Freezing point	N/Av.	**Vapour density**	N/Av. (Air = 1)
Boiling point	N/Av.	**Relative density**	N/Av. (Water = 1)
Solubility	N/Av.	**Partition coefficient n-octanol/water**	N/Av.
Evaporation rate	N/Av.	**Decomposition temperature**	N/Av.
Vapour pressure	N/Av.	**Viscosity**	N/Av.
Percent Wt. Volatile	N/Av.	**Molecular mass**	N/Ap.
VOC (g/L)	0 g/L	**% Volume Volatile (VOC)**	N/Av.
VOC (lb/gal)	N/Av.	**% Wt. Volatile (VOC)**	N/Av.
Particle characteristics	Particle size: N/Ap.		

N/Av.: Not Available N/Ap.: Not Applicable Und.: Undetermined N/E: Not Established

10. Stability and reactivity

Reactivity	No information available.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions (including polymerizations)	A dangerous reaction will not occur.
Conditions to avoid	Avoid contact with incompatible materials.
Incompatible materials	Strong acids, strong bases, strong oxidants.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Numerical measures of toxicity	Sodium metasilicate	Ingestion	1280 mg/kg	Rat LD50
		Inhalation	>2.06 mg/l/4h	Rat LC50
		Skin	>5000 mg/kg	Rat LD50

Likely routes of exposure	Skin, eyes, inhalation, ingestion.	
Delayed, immediate and chronic effects	**Eye contact**	May cause severe eye damage. May cause redness and tearing. May cause blindness.
	Skin contact	May cause skin irritation.
	Inhalation	May cause respiratory tract irritation. The severity of symptoms may vary depending on exposure conditions.
	Ingestion	Harmful if swallowed. May cause gastrointestinal irritation with diarrhea, nausea and vomiting.
	Respiratory or skin sensitization	Ingredients present at levels greater than or equal to 0.1% of this product are not skin or respiratory sensitizers.
	IARC/NTP Classification	No ingredients listed.
	Carcinogenicity	Ingredients present at levels greater than or equal to 0.1% of this product are not listed as a carcinogen by IARC, ACGIH, NIOSH, NTP or OSHA.
	Mutagenicity	Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause mutagenic effects.
	Reproductive toxicity	Suspected of damaging fertility or the unborn child.
	Specific target organ toxicity - single exposure	Respiratory tract.
	Specific target organ toxicity - repeated exposure	No target organ is listed.
Interactive effects	No information available.	
Other information	The oral acute toxicity estimate (ATE) of the mixture was calculated to be greater than 300 mg/kg but lower than 2000 mg/kg. This value is classified according to GHS: Acute toxicity, oral (Category 4). The skin acute toxicity estimate (ATE) of the mixture was calculated to be greater than 2000 mg/kg. The acute toxicity estimates (ATE) by inhalation of the mixture were calculated to be greater than 20 mg/L/4h for vapours and to be greater than 5 mg/L/4h for the aerosols and mists. These values are not classified according to WHMIS 2015 and OSHA HCS 2012.	

12. Ecological information

Ecological toxicity	Fish - Danio rerio (zebra fish)	LC50 210 mg/L; 96 h (CAS no 6834-92-0)
	Aquatic Invertebrates - Daphnia magna (water flea)	EC50 1700 mg/L; 48 h (CAS no 6834-92-0)
	Algea - Desmodesmus subspicatus (green algae)	EC50 207 mg/L; 72 h (CAS no 6834-92-0)
	Bacteria - activated sludge	EC50 >100 mg/L; 3 h (CAS no 6834-92-0)

Persistence	The product contains components that may persist in the environment.
Degradability	The product is a mixture whose ingredients are readily biodegradable (> 60% in 28 days). The term biodegradability, as such, is not applicable to inorganic compounds.
Bioaccumulative potential	The product is a mixture of which all ingredients have a low bioaccumulation potential (Log Kow of <3 and / or BCF <500).

Mobility in soil	The product is a mixture of which some ingredients evaporate very easily from the surface of the soil. Moreover, some ingredients have very high mobility in soil, while other ingredients have moderate to low mobility in soil.
Other adverse effects	This chemical does not deplete the ozone layer. The observed ecological toxicity presented by this product for the environment was considered a result of pH effects.

13. Disposal considerations

Container 	Important! Prevent waste generation. Use in full. DO NOT dispose residue in sewers, streams or drinking water supply. Residues: Dispose via a licensed waste disposal contractor. Observe all federal, state/provincial and municipal regulations. If necessary consult the Department of Environment or the relevant authorities.

14. Transport information

UN Number	UN N/A
UN Proper Shipping Name	Not regulated by TDG (Canada) and 49 CFR DOT (USA).
Environmental hazards	This material does not contain marine pollutant.
Special precautions for user	No additional information.
TDG - Transportation of Dangerous Goods (Canada & US DOT)	
Transport hazard class(es)	Not regulated
Packing group	Not regulated
2024 Emergency Response Guidebook	N/A
IMO/IMDG - International Maritime Transport	
Classification	Not regulated
IATA - International Air Transport Association	
Classification	Not regulated

These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. In addition, if a domestic exemption exists, it is the responsibility of the shipper to define the application of it.

15. Regulatory information

CANADA

Chemical name	CAS	CEPA	DSL	NDSL	NPRI
Sodium metasilicate	6834-92-0		X		

- CEPA: List of Toxic Substances Managed Under Canadian Environmental Protection Act
- DSL: Domestic Substances List Inventory
- NDSL: Non-Domestic Substances List Inventory
- NPRI: National Pollutant Release Inventory Substances

UNITED STATE OF AMERICA

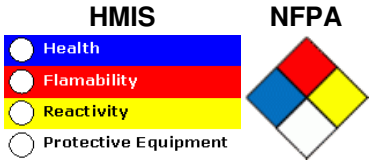
Chemical name	CAS	TSCA	CER CLA	EPCRA 313	EPCRA 302/304	CAA 112(b) HON	CAA 112(b) HAP	CAA 112(r)	CWA 311	CWA Prio.
Sodium metasilicate	6834-92-0	X								

- TSCA: Toxic Substance Control Act
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act list of hazardous substances
- EPCRA 313: Emergency Planning and Community Right-to-Know Act, Section 313 Toxic Chemicals
- EPCRA 302/304: Emergency Planning and Community Right-to-Know Act, Section 302/304 Extremely Hazardous Substances
- CAA 112(b) HON: Clean Air Act - Hazardous Organic National Emission Standard for Hazardous Air Pollutant
- CAA 112(b) HAP: Clean Air Act - Hazardous Air Pollutants lists pollutants
- CAA 112(r): Clean Air Act - Regulated Chemicals for Accidental Release Prevention
- CWA 311: Clean Water Act - List of Hazardous Substances
- CWA Priority: Clean Water Act - Priority Pollutant list

California Proposition 65

No ingredients listed.

Other regulations	



16. Other information

Date (YYYY-MM-DD)	IMPER GUARD 2026-10-06
Version	02
Other information	- The hazard classification in this document (section 2) is taken from the manufacturer's original version. REFERENCES: - Service du répertoire toxicologique de la Commission des normes, de l'équité, de la santé et de la sécurité du travail (CNESST), https://www.cnesst.gouv.qc.ca/en - The National Center for Biotechnology Information, National Institutes of Health (NIH), U.S. National Library of Medicine, https://pubchem.ncbi.nlm.nih.gov - European Chemical Agency ECHA, https://echa.europa.eu/information-on-chemicals DATE OF FIRST VERSION OF SDS: 2025-09-16. CHANGES MADE IN THE VERSION 02: sections 1, 3, 5, 7, 9 and 16. ACGIH: American Conference of Governmental Industrial Hygienists AIHA: American Industrial Hygiene Association

	HMIS: Hazardous Materials Identification System NFPA: National Fire Protection Association OSHA: Occupational Safety and Health Administration (USA) NIOSH: National Institute for Occupational Safety and Health NTP: National Toxicology Program RSST: Règlement sur la santé et la sécurité du travail (Québec) GHS: Globally Harmonized System IARC: International Agency for Research on Cancer IDLH: Immediately Dangerous to Life or Health STEL: Short Term Exposure Limit (15 min) TWA: Time Weighted Averages WHMIS: Workplace Hazardous Materials Information System To the best of our knowledge, the information contained herein is accurate. However, neither Preventis System, nor 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.