SCALE CLEAN

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)
Issue date: 7/29/2022 Version: 1.0

SECTION 1: Identification

1.1. Product identifier

Product name : SCALE CLEAN
Product code : A100700

1.2. Recommended use and restrictions on use

Recommended use : ECOLOGO® certified safe acid descaler
Restrictions on use : Food Plant, Industrial and Institutional use only

1.3. Supplier

Project Clean Inc.
12 James St N, Suite 201 A
Hamilton, ON L8R 2J9
Canada

regulatory@projectclean.com - www.projectclean.ca

1.4. Emergency telephone number

Emergency number : For Chemical Emergency Call CANUTEC CANADA OR CHEMTREC USA 24hr/day 7days/week
Within USA and Canada: CANADA: 613 996 6666 or *666 on a cell phone | USA: 800 424 9300

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Corrosive to metals, Category 1	H290	May be corrosive to metals.
Serious eye damage/eye irritation, Category 1	H318	Causes serious eye damage.

Full text of H-statements: see section 16

2.2. GHS Label elements, including precautionary statements

GHS CA labelling

Hazard pictograms (GHS CA) :

Signal word (GHS CA) : Danger

Hazard statements (GHS CA) : H290 - May be corrosive to metals.
H318 - Causes serious eye damage.

Precautionary statements (GHS CA) : P234 - Keep only in original container.
P280 - Wear eye/face protection.

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.
P390 - Absorb spillage to prevent material damage.
P406 - Store in original container with a resistant inner liner.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS CA)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%
Urea, methanesulfonate	Urea methanesulfonate	CAS-No.: 207308-34-7	10 – 30
Urea monohydrochloride	Urea monohydrochloride	CAS-No.: 506-89-8	1 – 10

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after eye contact : Serious damage to eyes.

4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Unsuitable extinguishing media

No additional information available

5.3. Specific hazards arising from the hazardous product

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.4. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No additional information available

6.2. Methods and materials for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in corrosive resistant container with a resistant inner liner. Keep only in original container. Store in dry, cool, well-ventilated area.
Incompatible materials : Metals.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:
Protective gloves

Eye protection:
Safety glasses

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear, colorless liquid.
Colour	: Colourless
Odour	: No added fragrance
Odour threshold	: No data available
pH	: 1 – 2
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 100 °C

Auto-ignition temperature	:	Not self-igniting
Decomposition temperature	:	No data available
Flammability	:	Not applicable
Vapour pressure	:	No data available
Relative vapour density at 20 °C	:	No data available
Relative density	:	1.05 – 1.1
Solubility	:	Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	Thin like water
Explosive limits	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

Reactivity	:	The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No dangerous reactions known under normal conditions of use.
Conditions to avoid	:	None under recommended storage and handling conditions (see section 7).
Incompatible materials	:	metals.
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hardening time:	:	No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	:	Not classified
Acute toxicity (dermal)	:	Not classified
Acute toxicity (inhalation)	:	Not classified

Urea, methanesulfonate (207308-34-7)	
LD50 oral rat	1357 mg/kg
LD50 dermal rat	3698 mg/kg
ATE CA (oral)	500 mg/kg bodyweight

Urea monohydrochloride (506-89-8)	
LD50 oral rat	1120.9 mg/kg

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Causes serious eye damage.
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified
Symptoms/effects after eye contact : Serious damage to eyes.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short–term (acute) : Not classified
Hazardous to the aquatic environment, long–term (chronic) : Not classified

Urea, methanesulfonate (207308-34-7)	
LC50 - Fish [1]	> 100 mg/l Rainhow Trout
LC50 - Other aquatic organisms [1]	709 mg/kg Daphnia Magna, 48 hour
EC50 - Other aquatic organisms [1]	21.5 mg/l Algae: Selenastrum Capricomutum, 72 hour

Urea monohydrochloride (506-89-8)	
LC50 - Fish [1]	> 142 mg/l Rainhow Trout, 96 hours
LC50 - Other aquatic organisms [1]	71 mg/l Ceriodaphnia Dubia, 48 hours
EC50 96h - Algae [1]	3460000 mg/l Source: Ecological Structure Activity Relationships
Partition coefficient n-octanol/water (Log Pow)	-3.49 Source: ChemIDplus

12.2. Persistence and degradability

Persistence and degradability This product does not exhibit the properties of ignitability, corrosivity, reactivity or environmentally persistent toxicity. This product does not adversely inhibit a diverse aquatic range of organisms (animal, plant, bacteria) as required by the Ecologo® program under UL2759.

Urea, methanesulfonate (207308-34-7)	
Persistence and degradability	Biodegradability in water: no data available.

12.3. Bioaccumulative potential

Urea monohydrochloride (506-89-8)	
Partition coefficient n-octanol/water (Log Pow)	-3.49 Source: ChemIDplus

12.4. Mobility in soil

Urea monohydrochloride (506-89-8)	
Mobility in soil	8.098 Source: Quantitative Structure Activity Relation
Partition coefficient n-octanol/water (Log Pow)	-3.49 Source: ChemIDplus

12.5. Other adverse effects

Ozone : Not classified

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.

Product/Packaging disposal recommendations : Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available or puncture and dispose of in a sanitary landfill.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (TDG) : Not applicable

14.3. Transport hazard class(es)

TDG

Transport hazard class(es) (TDG) : Not applicable

14.4. Packing group

Packing group (TDG) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

TDG
No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. National regulations

Urea monohydrochloride (506-89-8)	
Listed on the Canadian DSL (Domestic Substances List)	
Canada DSL NDSL Flags	Substance was manufactured or imported after July 1, 1994

SECTION 16: Other information

Issue date : 07/29/2022

Full text of H-statements:	
H290	May be corrosive to metals.
H318	Causes serious eye damage.

It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. Project Clean Inc. will accept no liability for damages or loss incurred from the improper handling and use of this product.
The information provided in the Safety Data Sheet has been obtained from current sources and is believed to be reliable.