

Safety Data Sheet

MARINE CLEAN

SECTION 1. IDENTIFICATION

Product Identifier MARINE CLEAN
Other Means of Identification L1060
Recommended Use Descaler.
Restrictions on Use Industrial Use Only - Keep Away from Children.
Manufacturer/Supplier Identifier Chemisphere Solutions Ltd., 15 Calder Place, St. Albert, Alberta, T8N 5A6
Supplier Identifier Chemisphere Solutions Ltd., 15 Calder Place, St. Albert, Alberta, T8N 5A6
Emergency Phone No. CANUTEC, 613 966 - 6666, 24 Hours
Alberta Poison Centre, (800) 332 - 1414, 24 Hours
SDS No. 00680517

SECTION 2. HAZARD IDENTIFICATION

Classification

Acute toxicity (Oral) - Category 4; Acute toxicity (Dermal) - Category 4; Serious eye damage - Category 1

Label Elements



Signal Word:
Danger

Hazard Statement(s):

Harmful if swallowed.
Harmful in contact with skin.
Causes serious eye damage.

Precautionary Statement(s):

Prevention:
Wash hands and skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing.
Wear eye protection/face protection.

Response:

IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.
IF ON SKIN: Wash with plenty of water/
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.

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Storage:
Store in accordance with local, regional, national and international regulations.

Disposal:
Dispose of contents and container in accordance with local, regional, national and international regulations.

Other Hazards

Repeated exposure may cause skin dryness or cracking.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Urea, monohydrochloride	506-89-8	30-60	
Alcohols, ethoxylated, liquids	68439-45-2	3-7	

Notes

Contact manufacturer/supplier in case of an emergency.

The specific chemical identity and/or exact percentage of composition (concentration) has been withheld as a trade secret.

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. If symptoms develop or persist, call a physician.

Skin Contact

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Quickly and gently blot or brush away excess chemical. Wash with plenty of water. If symptoms develop or persist, seek medical advice/attention.

Eye Contact

Avoid direct contact. Wear chemical protective gloves if necessary. Quickly and gently blot or brush chemical off the face. Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. If symptoms develop or persist, seek immediate medical advice/attention.

Ingestion

Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. Rinse mouth with water.

Immediately call a Poison Centre or doctor.

Most Important Symptoms and Effects, Acute and Delayed

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Immediate Medical Attention and Special Treatment

Medical Conditions Aggravated by Exposure

None known.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

Unsuitable Extinguishing Media

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None known.

Specific Hazards Arising from the Product

Heating increases the release of toxic vapour. Closed containers may rupture violently when heated releasing contents. At Temperatures above 60 deg C (140 deg F) acid action on most metals may release flammable hydrogen gas.

In a fire, the following hazardous materials may be generated: irritating chemicals; toxic chemicals; very toxic carbon monoxide, carbon dioxide; corrosive, oxidizing nitrogen oxides; corrosive hydrogen chloride; flammable hydrogen.

Special Protective Equipment and Precautions for Fire-fighters

Evacuate area. Fight fire from a safe distance or a protected location. Approach fire from upwind to avoid hazardous vapours or gases. Knock down vapours or gases with water fog or fine water spray.

For a massive fire, immediately evacuate the area and use unmanned hose holder or monitor nozzles.

Before entry, especially into confined areas, use an appropriate monitor to check for: toxic gases or vapours.

If a fire occurs in the vicinity of the material, isolate materials not yet involved in the fire, and move containers from the fire area if this can be done without risk. If not possible, cool fire-exposed material with flooding quantities of water to absorb heat, keep containers cool and protected fire-exposed material. Cooling should continue until well after the fire is out.

Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Emergency responders: evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Increase ventilation to area or move leaking container to a well-ventilated and secure area. Remove or isolate incompatible materials as well as other hazardous materials.

Environmental Precautions

It is good practice to prevent releases into the environment.

Methods and Materials for Containment and Cleaning Up

Stop or reduce leak if safe to do so.

Small spills or leaks: flush spill area.

Large spills or leaks: contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal. Contaminated absorbent poses the same hazard as the spilled product.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid breathing in this product. Do not swallow. Do not get in eyes. Prevent skin contact. Only use where there is adequate ventilation. Avoid generating vapours or mists. Avoid heating that will increase the amount of vapours.

Prevent accidental contact with incompatible chemicals.

Prevent uncontrolled release of product. Avoid release to the environment.

General hygiene considerations: wash hands thoroughly after handling this material. Do NOT eat, drink or store food in work areas. Wash hands thoroughly after handling this product and before eating, using the washroom or leaving work area. Launder clothes before rewearing. Inform laundry personnel of product hazard(s).

Conditions for Safe Storage

Store in an area that is: separate from incompatible materials (see Section 10: Stability and Reactivity), well-ventilated.

Store in a closed container. Do not handle swollen drums. Get expert advice. Avoid freezing.

Empty containers may contain hazardous residue. Store separately. Keep closed. Follow all precautions given on this safety data sheet. Comply with all applicable health and safety regulations, fire and building codes.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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Control Parameters

	ACGIH TLV®		OSHA PEL		AIHA WEEL	
Chemical Name	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Urea, monohydrochloride	Not established	Not established				

Appropriate Engineering Controls

Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air. Exhaust directly to the outside, taking any necessary precautions for environmental protection.

Provide eyewash and safety shower if contact or splash hazard exists.

Individual Protection Measures**Eye/Face Protection**

Wear chemical safety goggles.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

Respiratory Protection

If engineering controls do not maintain airborne contaminant concentration at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use and maintenance must be in accordance with regulatory requirements, if applicable.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**Basic Physical and Chemical Properties**

Appearance	Clear.
Odour	Citrus
Odour Threshold	Not available
pH	Decomposes in water to form an acidic solution.
Melting Point/Freezing Point	Not available (melting); ~ 5 °C (41 °F) (freezing)
Initial Boiling Point/Range	~ 85 °C (185 °F)
Flash Point	Not applicable
Evaporation Rate	~ 0.3
Flammability (solid, gas)	Not applicable (liquid).
Upper/Lower Flammability or Explosive Limit	Not applicable (upper); Not applicable (lower)
Vapour Pressure	~ 2.33 kPa (17.48 mm Hg) at 20 °C
Vapour Density (air = 1)	~ 0.6
Relative Density (water = 1)	1.02
Solubility	Soluble in all proportions in water
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not applicable
Decomposition Temperature	> 110 °C (230 °F)
Viscosity	Not available (kinematic); ~ 1 centipoises (dynamic)

SECTION 10. STABILITY AND REACTIVITY**Reactivity**

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

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Unstable under certain conditions - see Conditions to Avoid.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

Incompatible materials. Temperatures above 110.0 °C (230.0 °F)

Incompatible Materials

Strong oxidizing agents (e.g. perchloric acid), strong bases (e.g. sodium hydroxide), nitrates, hypochlorites, cyanides.

Hazardous Decomposition Products

Irritating chemicals; toxic chemicals.

Very toxic carbon monoxide, carbon dioxide; corrosive, oxidizing nitrogen oxides; corrosive chlorine; flammable hydrogen gas.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation; skin contact; eye contact; ingestion.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Urea, monohydrochloride	Not available	Not available	Not available
Alcohols, ethoxylated, liquids		> 2000 mg/kg (rat)	1000-2000 mg/kg (rabbit)

Skin Corrosion/Irritation

Human experience and animal tests show mild irritation.

Serious Eye Damage/Irritation

Human experience and animal tests show serious eye damage.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May cause nose and throat irritation.

Skin Absorption

May be harmful based on human experience and animal tests.

Ingestion

May be harmful based on information for closely related materials. May cause irritation of the mouth, throat and stomach. Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

Aspiration Hazard

Not known to be an aspiration hazard.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

May cause dermatitis, effects similar to STOT (Specific Target Organ Toxicity) - Single Exposure, as described above.

Respiratory and/or Skin Sensitization

Not known to be a respiratory sensitizer. Not known to be a skin sensitizer.

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Urea, monohydrochloride	Not Listed	Not designated	Not Listed	Not Listed
Alcohols, ethoxylated, liquids	Not Listed	Not Listed	Not Listed	Not Listed

Not known to cause cancer.

Reproductive Toxicity

Development of Offspring

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Not known to harm the unborn child.

Sexual Function and Fertility

Not known to cause effects on sexual function or fertility.

Effects on or via Lactation

Not known to cause effects on or via lactation.

Germ Cell Mutagenicity

Not known to be a mutagen.

Interactive Effects

No information was located.

SECTION 12. ECOLOGICAL INFORMATION

This section is not required by WHMIS. This section is not required by OSHA HCS 2012.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

This section is not required by OSHA HCS 2012. This section is not required by WHMIS 2015.

SECTION 14. TRANSPORT INFORMATION

This section is not required by WHMIS 2015. This section is not required by OSHA HCS 2012.

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

This section is not required by OSHA HCS 2012. This section is not required by WHMIS.

SECTION 16. OTHER INFORMATION

SDS Prepared By	Chemisphere Solutions Ltd
Phone No.	(780) 460-4670
Date of Preparation	May 29, 2018
Date of Last Revision	October 06, 2020
Key to Abbreviations	IARC = International Agency for Research on Cancer HSDB® = Hazardous Substances Data Bank OSHA = US Occupational Safety and Health Administration
References	CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS). HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS).

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