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SECTION 1. IDENTIFICATION

Product identifier

Trade name : POOLIFE EXCLUSIVE POOL CARE COLLECTION CELL PROTECT

Recommended use of the chemical and restrictions on use

Use of the Substance/Mixture : Water treatment chemical

Details of the supplier of the safety data sheet Innovative Water Care, LLC 1400 Bluegrass Lakes Parkway Alpharetta, GA 30004 United States of America (USA) EHSProductSafetyTeam@solenis.com	Emergency telephone number 1-800-654-6911 (Outside the USA:1-423-780-2970) Product Information 1-800-511-6737 (Outside the USA:1-423-780-2347)
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SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion : Category 1


Serious eye damage : Category 1

Carcinogenicity : Category 2


Specific target organ toxicity : Category 1 (Lungs)
 - repeated exposure
 (Inhalation)

Specific target organ toxicity : Category 2 (Central nervous system)
 - repeated exposure (Oral)

GHS label elements

Hazard pictograms : 

Signal word : Danger

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Hazard statements : H314 Causes severe skin burns and eye damage.
 H351 Suspected of causing cancer.
 H372 Causes damage to organs (Lungs) through prolonged or repeated exposure if inhaled.
 H373 May cause damage to organs (Central nervous system) through prolonged or repeated exposure if swallowed.

Precautionary statements : **Prevention:**
 P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
 P264 Wash skin thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
 P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
 P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
 P308 + P313 IF exposed or concerned: Get medical advice/ attention.
 P363 Wash contaminated clothing before reuse.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

Material can create slippery conditions.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Classification	Concentration (%)
(OH-ET)ETHYLENEDIAMINETRIACE	139-89-9	Acute Tox. 4; H302 Eye Dam. 1; H318	>= 30 - < 40


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TIC AC, 3NA			
ALUMINUM CHLORIDE	7446-70-0	Skin Corr. 1; H314 Eye Dam. 1; H318 STOT RE 1; H372 STOT RE 2; H373	$\geq 5 - < 10$
sodium hydroxide	1310-73-2	Met. Corr. 1; H290 Skin Corr. 1A; H314 Eye Dam. 1; H318	$\geq 1.5 - < 5$
TRISODIUM NITRILOTRIACETATE	5064-31-3	Acute Tox. 4; H302 Eye Irrit. 2A; H319 Carc. 2; H351	$\geq 0.5 - < 1$

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.
- If inhaled : Move to fresh air.
If breathed in, move person into fresh air.
Keep patient warm and at rest.
If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.
- In case of skin contact : If on skin, rinse well with water.
Wash contaminated clothing before re-use.
- In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Continue rinsing eyes during transport to hospital.
Remove contact lenses.
Protect unharmed eye.
- If swallowed : Get medical attention immediately.
Do NOT induce vomiting.
Rinse mouth with water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : Causes serious eye damage.
Suspected of causing cancer.
Causes damage to organs through prolonged or repeated exposure if inhaled.
May cause damage to organs through prolonged or repeated

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exposure if swallowed.
 Causes severe burns.
 Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:
 stomach or intestinal upset (nausea, vomiting, diarrhea)
 irritation (nose, throat, airways)
 Cough
 Headache
 Shortness of breath
 lung edema (fluid buildup in the lung tissue)
 Difficulty in breathing

Notes to physician : No hazards which require special first aid measures.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
 Water spray
 Foam
 Carbon dioxide (CO₂)
 Dry chemical

Unsuitable extinguishing media : High volume water jet


Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : Carbon monoxide
 Carbon dioxide (CO₂)
 Nitrogen oxides (NO_x)
 aluminum oxides
 Chlorine
 hydrogen chloride
 toxic fumes
 corrosive vapors
 Sodium oxides

Specific extinguishing methods : Product is compatible with standard fire-fighting agents.

Further information : Material can create slippery conditions.
 Water may cause extremely slippery conditions.
 Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.


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SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Material can create slippery conditions. Use personal protective equipment. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Comply with all applicable federal, state, and local regulations.
- Environmental precautions : Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : For small spills, quickly contain and remove the spilled material using absorbent pads, socks, kitty litter, sawdust etc, then appropriately dispose. Do not leave absorbents to sit overnight, as they will become hard and difficult to remove. The remaining residue or film can be treated with dilute caustic (2%) or dilute liquid bleach (2–5%), allowed to soak for up to one hour, and clean with warm water (between 49C – 54C (120F – 130 F)) or flushed to a sewer using high volumes of water taking into account local guidelines. Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : Avoid spillage on floor as the product can become very slippery. Do not breathe vapours/dust. Do not smoke. Container hazardous when empty. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8. Dispose of rinse water in accordance with local and national regulations.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.
- Further information on : No decomposition if stored and applied as directed.

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storage stability

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
ALUMINUM CHLORIDE	7446-70-0	TWA	2 mg/m ³ (Aluminium)	OSHA P0
		TWA	2 mg/m ³ (Aluminium)	NIOSH REL
sodium hydroxide	1310-73-2	C	2 mg/m ³	ACGIH
		C	2 mg/m ³	NIOSH REL
		TWA	2 mg/m ³	OSHA Z-1
		C	2 mg/m ³	OSHA P0

Engineering measures : Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Personal protective equipment


Respiratory protection : In the case of vapour formation use a respirator with an approved filter.

A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air-purifying respirator may not provide adequate protection.

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Wear chemical splash goggles and face shield when there is potential for exposure of the eyes or face to liquid, vapor or mist.

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Maintain eye wash station in immediate work area.

- Skin and body protection : Wear as appropriate:
 Impervious clothing
 Chemical resistant apron
 Safety shoes
 Choose body protection according to the amount and concentration of the dangerous substance at the work place.
 Wear resistant gloves (consult your safety equipment supplier).
 Discard gloves that show tears, pinholes, or signs of wear.
- Hygiene measures : Wash hands before breaks and at the end of workday.
 When using do not eat or drink.
 Ensure that eyewash stations and safety showers are close to the workstation location.
 When using do not smoke.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Odour : No data available
- Odour Threshold : No data available
- pH : 8.5 - 9.0
- Melting point/freezing point : No data available
- Boiling point/boiling range : No data available
- Flash point : No data available
- Evaporation rate : No data available
- Flammability (solid, gas) : No data available
- Self-ignition : No data available
- Upper explosion limit / Upper flammability limit : No data available
- Lower explosion limit / Lower flammability limit : No data available
- Vapour pressure : No data available
- Relative vapour density : No data available

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Relative density : 1.24 - 1.26 (68 °F / 20 °C)

Density : No data available

Solubility(ies)

Water solubility : soluble in cold water

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : Not applicable

Decomposition temperature : No data available

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Oxidizing properties : No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions : Product will not undergo hazardous polymerization.

Conditions to avoid : Exposure to sunlight.

Incompatible materials : Acids
Alcohols
alkalis
allyl chloride
aluminum
Ethylene oxide
halogenated hydrocarbons
Metals
organic nitro compounds
oxygen difluoride
Potassium
sodium
strong alkalis
Strong oxidizing agents
water

Hazardous decomposition products : Carbon monoxide
Carbon dioxide (CO₂)
Nitrogen oxides (NO_x)

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 hydrogen chloride
 aluminum oxides
 Chlorine
 Hydrogen chloride gas
 corrosive vapors
 Sodium oxides
 toxic fumes
SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Not classified based on available information.

Components:**(OH-ET)ETHYLENEDIAMINETRIACETIC AC, 3NA:**

Acute oral toxicity : LD50 (Rat): 2,000 mg/kg

 Acute inhalation toxicity : LC0 (Rat): 3.95 mg/l
 Exposure time: 4 h
 Test atmosphere: dust/mist
 Method: OECD Test Guideline 403
 GLP: yes
 Assessment: No adverse effect has been observed in acute
 inhalation toxicity tests.

 Acute dermal toxicity : (Rabbit): Assessment: No adverse effect has been observed
 in acute dermal toxicity tests.
ALUMINUM CHLORIDE:
 Acute oral toxicity : LD50 (Rat, male): 3,450 mg/kg
 LD50 (Rat, female): 3,470 mg/kg

 Acute dermal toxicity : LD50 (Rabbit): > 2 g/kg
 Assessment: No adverse effect has been observed in acute
 dermal toxicity tests.
sodium hydroxide:

Acute oral toxicity : LDLo (Rabbit): 500 mg/kg

TRISODIUM NITRILOTRIACETATE:
 Acute oral toxicity : LD50 (Rat, male and female): 1,740 mg/kg
 Method: OECD Test Guideline 401

 Acute inhalation toxicity : LC0 (Rat): 5 mg/l
 Exposure time: 4 h
 Test atmosphere: dust/mist

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Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg
 Method: OECD Test Guideline 402
 Assessment: No adverse effect has been observed in acute dermal toxicity tests.

Skin corrosion/irritation

Causes severe burns.

Product:

Remarks : Causes severe skin burns and eye damage.

Components:**(OH-ET)ETHYLENEDIAMINETRIACETIC AC, 3NA:**
 Species : Rabbit
 Result : Slightly irritating to skin
ALUMINUM CHLORIDE:

Result : Corrosive to skin

sodium hydroxide:

Result : Causes severe burns.

TRISODIUM NITRILOTRIACETATE:

Result : Not irritating to skin

Serious eye damage/eye irritation

Causes serious eye damage.

Product:


Remarks : May cause irreversible eye damage.

Components:**(OH-ET)ETHYLENEDIAMINETRIACETIC AC, 3NA:**
 Species : Bovine cornea
 Result : Corrosive to eyes
 Method : OECD Test Guideline 437
ALUMINUM CHLORIDE:

Result : Corrosive to eyes

sodium hydroxide:

Result : Corrosive to eyes

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TRISODIUM NITRILOTRIACETATE:

Result : Irritating to eyes

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

TRISODIUM NITRILOTRIACETATE:

Test Type : Maximisation Test
 Species : Guinea pig
 Method : OECD Test Guideline 406

Germ cell mutagenicity

Not classified based on available information.

Components:

(OH-ET)ETHYLENEDIAMINETRIACETIC AC, 3NA:

Genotoxicity in vitro : Test Type: Ames test
 Test system: Salmonella typhimurium
 Metabolic activation: with and without metabolic activation
 Method: OECD Test Guideline 471
 Result: negative

ALUMINUM CHLORIDE:


Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro
 Test system: Human lymphocytes
 Result: positive

Test Type: In vitro mammalian cell gene mutation test
 Test system: mouse lymphoma cells
 Metabolic activation: with and without metabolic activation
 Result: negative

Test Type: Ames test
 Test system: Salmonella typhimurium
 Metabolic activation: with and without metabolic activation
 Result: positive

Test Type: Ames test
 Test system: Escherichia coli
 Metabolic activation: with and without metabolic activation
 Result: positive

TRISODIUM NITRILOTRIACETATE:

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Genotoxicity in vitro : Test Type: Ames test
 Metabolic activation: with and without metabolic activation
 Method: OECD Test Guideline 471
 Result: negative

Test Type: In vitro mammalian cell gene mutation test
 Test system: Chinese hamster fibroblasts
 Metabolic activation: with and without metabolic activation
 Method: OECD Test Guideline 476
 Result: negative

Genotoxicity in vivo : Test Type: Micronucleus test
 Species: Mouse (male)
 Application Route: Oral
 Method: OECD Test Guideline 474
 Result: negative

Carcinogenicity

Suspected of causing cancer.

Components:

TRISODIUM NITRILOTRIACETATE:

Carcinogenicity - Assessment : Limited evidence of carcinogenicity in animal studies

IARC Group 2B: Possibly carcinogenic to humans
 trisodium nitrilotriacetate 5064-31-3
 (Nitrilotriacetic acid and its salts)

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.


STOT - repeated exposure

Causes damage to organs (Lungs) through prolonged or repeated exposure if inhaled.
 May cause damage to organs (Central nervous system) through prolonged or repeated exposure if swallowed.

Components:

ALUMINUM CHLORIDE:

Exposure routes : Ingestion
 Target Organs : Central nervous system

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Assessment : Shown to produce significant health effects in animals at concentrations of >20 to 200 mg/kg bw.

Exposure routes : inhalation (dust/mist/fume)
 Target Organs : Lungs
 Assessment : Shown to produce significant health effects in animals at concentrations of 0.02 mg/l/6h/d or less.

Aspiration toxicity

Not classified based on available information.

Further information

Product:

Remarks : No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Ecotoxicology Assessment

Acute aquatic toxicity : Acute aquatic toxicity Category 3; Harmful to aquatic life.

Chronic aquatic toxicity : Chronic aquatic toxicity Category 3; Harmful to aquatic life with long lasting effects.

Components:

(OH-ET)ETHYLENEDIAMINETRIACETIC AC, 3NA:


Toxicity to fish : LC50 (Fish): > 738 mg/l
 Exposure time: 96 h
 Test Type: semi-static test
 Method: OECD Test Guideline 203
 GLP: yes

 LC50 (Pimephales promelas (fathead minnow)): 372 mg/l
 Exposure time: 96 h
 Test Type: static test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 192 mg/l
 Exposure time: 48 h
 Test Type: static test

Toxicity to algae/aquatic plants : EC50 (Algae, algal mat (Algae)): 26 mg/l
 Exposure time: 72 h

Toxicity to microorganisms : EC20 (activated sludge): > 1,000 mg/l
 Exposure time: 30 min
 Test Type: Static

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ALUMINUM CHLORIDE:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 36.6 mg/l
Exposure time: 96 h
Test Type: static test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Ceriodaphnia (water flea)): 7.4 mg/l
Exposure time: 48 h
Test Type: static test

EC50 (Daphnia magna (Water flea)): 27.3 mg/l
Exposure time: 48 h
Test Type: static test

Toxicity to fish (Chronic toxicity) : NOEC (Oncorhynchus mykiss (rainbow trout)): 0.25 mg/l
End point: Growth rate
Exposure time: 42 d
Test Type: flow-through test

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.8 mg/l
End point: Reproduction Test
Exposure time: 21 d
Test Type: semi-static test

Toxicity to microorganisms : EC50 (activated sludge): > 1,000 mg/l
Exposure time: 180 min
Test Type: Respiration inhibition
Method: OECD Test Guideline 209
GLP: yes

sodium hydroxide:


Toxicity to fish : LC50 (Gambusia affinis (Mosquito fish)): 125 mg/l
Exposure time: 96 h
Method: Static
Remarks: Mortality

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 34.59 - 47.13 mg/l
Exposure time: 48 h
Remarks: Intoxication

TRISODIUM NITRILOTRIACETATE:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 103 mg/l
Exposure time: 96 h
Test Type: flow-through test

LC50 (Lepomis macrochirus (Bluegill sunfish)): 270 mg/l
Exposure time: 96 h
Test Type: flow-through test
Method: OECD Test Guideline 203

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Toxicity to daphnia and other aquatic invertebrates : LC 50 (Daphnia magna (Water flea)): 560 - 1,000 mg/l
 Exposure time: 48 h
 Method: Static
 Remarks: Mortality

Toxicity to algae/aquatic plants : ErC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l
 Exposure time: 72 h
 Test Type: static test
 Method: OECD Test Guideline 201

Toxicity to fish (Chronic toxicity) : NOEC (Pimephales promelas (fathead minnow)): > 54 mg/l
 Exposure time: 224 d
 Test Type: flow-through test

Persistence and degradability

Components:

(OH-ET)ETHYLENEDIAMINETRIACETIC AC, 3NA:

Biodegradability : Result: Not readily biodegradable.

ALUMINUM CHLORIDE:

Biodegradability : Remarks: The methods for determining biodegradability are not applicable to inorganic substances.

TRISODIUM NITRILOTRIACETATE:

Biodegradability : Result: Readily biodegradable.
 Biodegradation: 100 %
 Exposure time: 14 d
 Method: OECD Test Guideline 301E

Bioaccumulative potential

Components:

(OH-ET)ETHYLENEDIAMINETRIACETIC AC, 3NA:

Partition coefficient: n-octanol/water : log Pow: ca. -11.35


Mobility in soil

No data available

Other adverse effects

Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
 Harmful to aquatic life with long lasting effects.

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SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

- Waste from residues : The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.
- Dispose of in accordance with all applicable local, state and federal regulations.
- Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Empty containers should be taken to an approved waste handling site for recycling or disposal.
Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

International Regulations

IATA-DGR

- UN number : UN 1760
 Proper shipping name : Corrosive liquid, n.o.s. (ALUMINIUM CHLORIDE, SODIUM HYDROXIDE)
 Class : 8
 Packing group : II
 Packing instruction (cargo aircraft) : 855
 Packing instruction (passenger aircraft) : 851
 Marine pollutant : no

IMDG-Code

- UN number : UN 1760
 Proper shipping name : CORROSIVE LIQUID, N.O.S. (ALUMINIUM CHLORIDE, SODIUM HYDROXIDE)
 Class : 8
 Packing group : II
 EmS Code : F-A, S-B
 Marine pollutant : no


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

Not applicable for product as supplied.

National Regulations

49 CFR

- UN number : UN 1760

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Proper shipping name : Corrosive liquids, n.o.s. (ALUMINIUM CHLORIDE, SODIUM HYDROXIDE)
 Class : 8
 Packing group : II
 ERG Code : 154
 Marine pollutant : no

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.
 49CFR/IMDG: Packages with inner packaging less than 1L or 1kg and gross weight under 30kg may ship under the Limited Quantity Exception.

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
sodium hydroxide	1310-73-2	1000	48440

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Carcinogenicity
 Specific target organ toxicity (single or repeated exposure)
 Skin corrosion or irritation
 Serious eye damage or eye irritation

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.


US State Regulations

Massachusetts Right To Know

aluminium chloride, anhydrous	7446-70-0
sodium hydroxide	1310-73-2
trisodium nitrilotriacetate	5064-31-3

Pennsylvania Right To Know

WATER	7732-18-5
(OH-ET)ETHYLENEDIAMINETRIACETIC AC, 3NA	139-89-9

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aluminium chloride, anhydrous 7446-70-0
sodium hydroxide 1310-73-2

New Jersey Right To Know

WATER 7732-18-5
(OH-ET)ETHYLENEDIAMINETRIACETIC AC, 3NA 139-89-9
aluminium chloride, anhydrous 7446-70-0
sodium hydroxide 1310-73-2

California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

- TCSI : On the inventory, or in compliance with the inventory
- TSCA : All substances listed as active on the TSCA inventory
- AIIC : All components are listed on the inventory, regulatory obligations/restrictions apply
- DSL : All components of this product are on the Canadian DSL
- ENCS : Not in compliance with the inventory
- KECI : On the inventory, or in compliance with the inventory
- PICCS : On the inventory, or in compliance with the inventory
- IECSC : On the inventory, or in compliance with the inventory

TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16. OTHER INFORMATION

Further information

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Full text of H-Statements

- H290 : May be corrosive to metals.
- H302 : Harmful if swallowed.
- H314 : Causes severe skin burns and eye damage.
- H318 : Causes serious eye damage.
- H319 : Causes serious eye irritation.
- H351 : Suspected of causing cancer.
- H372 : Causes damage to organs through prolonged or repeated

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H373 : exposure if inhaled.
: May cause damage to organs through prolonged or repeated exposure if swallowed.

Full text of other abbreviations

Acute Tox. : Acute toxicity
 Carc. : Carcinogenicity
 Eye Dam. : Serious eye damage
 Eye Irrit. : Eye irritation
 Met. Corr. : Corrosive to metals
 Skin Corr. : Skin corrosion
 STOT RE : Specific target organ toxicity - repeated exposure
 ACGIH : USA. ACGIH Threshold Limit Values (TLV)
 NIOSH REL : USA. NIOSH Recommended Exposure Limits
 OSHA P0 : USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)
 OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
 ACGIH / C : Ceiling limit
 NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
 NIOSH REL / C : Ceiling value not be exceeded at any time.
 OSHA P0 / TWA : 8-hour time weighted average
 OSHA P0 / C : Ceiling limit
 OSHA Z-1 / TWA : 8-hour time weighted average

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration,

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Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Sources of key data used to compile the Safety Data Sheet

Key literature references and sources of data

SOLENIS Internal data

SOLENIS internal data including own and sponsored test reports

The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. This SDS has been prepared by the Solenis Environmental Health and Safety Department.

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