


| | | |
|--|--|---------------------------|
|  | | Page: 1 |
| SAFETY DATA SHEET | | Revision Date: 10/18/2022 |
| | | Print Date: 01/17/2023 |
| | | SDS Number: R1600200 |
| POOL BREEZE POOL CARE SYSTEM OPTICIDE 227630 | | Version: 1.0 |

SECTION 1. IDENTIFICATION

Product identifier

Trade name : POOL BREEZE POOL CARE SYSTEM OPTICIDE

Recommended use of the chemical and restrictions on use

Use of the Substance/Mixture : Pesticide

| | |
|---|---|
| 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) |
|---|---|

SECTION 2. HAZARDS IDENTIFICATION

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

Skin irritation : Category 2

Eye irritation : Category 2A

GHS label elements

Hazard pictograms :




Signal word : Warning

Hazard statements : H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary statements :

Prevention:
 P264 Wash skin thoroughly after handling.
 P280 Wear protective gloves/ eye protection/ face protection.

Response:
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water

| | | |
|--|--|---------------------------|
|  | | Page: 2 |
| SAFETY DATA SHEET | | Revision Date: 10/18/2022 |
| | | Print Date: 01/17/2023 |
| | | SDS Number: R1600200 |
| POOL BREEZE POOL CARE SYSTEM OPTICIDE 227630 | | Version: 1.0 |

for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

| Chemical name | CAS-No. | Classification | Concentration (%) |
|------------------|----------|---|-------------------|
| TRIETHANOLAMINE | 102-71-6 | This material is not considered hazardous under the OSHA Hazard Communication Standard (HazCom 2012). | $\geq 1.5 - < 5$ |
| MONOETHANOLAMINE | 141-43-5 | Flam. Liq. 4; H227 Acute Tox. 4; H302 Skin Corr. 1; H314 Eye Dam. 1; H318 STOT SE 3; H335 | $\geq 1.5 - < 5$ |

Actual concentration is withheld as a trade secret


SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

If inhaled : If breathed in, move person into fresh air.
If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

In case of skin contact : Remove contaminated clothing. If irritation develops, get medical attention.
If on skin, rinse well with water.
Wash contaminated clothing before re-use.

In case of eye contact : Immediately flush eye(s) with plenty of water.

| | | |
|--|--|---------------------------|
|  | | Page: 3 |
| SAFETY DATA SHEET | | Revision Date: 10/18/2022 |
| | | Print Date: 01/17/2023 |
| | | SDS Number: R1600200 |
| POOL BREEZE POOL CARE SYSTEM OPTICIDE 227630 | | Version: 1.0 |

Remove contact lenses.
Protect unharmed eye.

If swallowed : 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 skin irritation.
Causes serious eye irritation.
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)
Shortness of breath
lung edema (fluid buildup in the lung tissue)
This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting.

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 (NOx)
Ammonia

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

Further information : 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.

SECTION 6. ACCIDENTAL RELEASE MEASURES

| | | |
|--|--|---------------------------|
|  | | Page: 4 |
| SAFETY DATA SHEET | | Revision Date: 10/18/2022 |
| | | Print Date: 01/17/2023 |
| | | SDS Number: R1600200 |
| POOL BREEZE POOL CARE SYSTEM OPTICIDE 227630 | | Version: 1.0 |

- Personal precautions, protective equipment and emergency procedures : 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 : 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 : Do not breathe vapours/dust. Do not smoke. Container hazardous when empty. 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. Electrical installations / working materials must comply with the technological safety standards.
- Further information on storage stability : No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

| Components | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
|------------------|----------|-------------------------------|--|-------|
| TRIETHANOLAMINE | 102-71-6 | TWA | 5 mg/m ³ | ACGIH |
| MONOETHANOLAMINE | 141-43-5 | TWA | 3 ppm | ACGIH |

| | | |
|--|--|---------------------------|
|  | | Page: 5 |
| SAFETY DATA SHEET | | Revision Date: 10/18/2022 |
| | | Print Date: 01/17/2023 |
| | | SDS Number: R1600200 |
| POOL BREEZE POOL CARE SYSTEM OPTICIDE 227630 | | Version: 1.0 |

| | | | | |
|--|--|------|-------------------|-----------|
| | | STEL | 6 ppm | ACGIH |
| | | TWA | 3 ppm 8 mg/m3 | NIOSH REL |
| | | ST | 6 ppm 15 mg/m3 | NIOSH REL |
| | | TWA | 3 ppm 6 mg/m3 | OSHA Z-1 |
| | | TWA | 3 ppm 8 mg/m3 | OSHA P0 |
| | | STEL | 6 ppm 15 mg/m3 | 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

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 when there is the potential for exposure of the eyes to liquid, vapor or mist.

Skin and body protection : Wear as appropriate:
 Impervious clothing
 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.
 When using do not smoke.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : viscous

Colour : blue

Odour : slight


| | | |
|--|--|---------------------------|
|  | | Page: 6 |
| SAFETY DATA SHEET | | Revision Date: 10/18/2022 |
| | | Print Date: 01/17/2023 |
| | | SDS Number: R1600200 |
| POOL BREEZE POOL CARE SYSTEM OPTICIDE 227630 | | Version: 1.0 |

Odour Threshold : No data available
 pH : 9.5 - 10.0
 Melting point/freezing point : No data available
 Boiling point/boiling range : No data available

 Flash point : Not applicable
 Evaporation rate : < 1.0
 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
 Relative density : 1.0 - 1.2
 Density : No data available
 Solubility(ies)
 Water solubility : soluble
 Solubility in other solvents : No data available
 Partition coefficient: n-octanol/water : No data available
 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.

| | | |
|--|--|---------------------------|
|  | | Page: 7 |
| SAFETY DATA SHEET | | Revision Date: 10/18/2022 |
| | | Print Date: 01/17/2023 |
| | | SDS Number: R1600200 |
| POOL BREEZE POOL CARE SYSTEM OPTICIDE 227630 | | Version: 1.0 |

- Possibility of hazardous reactions : Product will not undergo hazardous polymerization.
- Conditions to avoid : This product should not be heated above 140 degrees F (60 degrees C) in the presence of aluminum due to excessive corrosion and potential chemical reaction releasing flammable hydrogen gas.
 excessive heat
 Heat, flames and sparks.
 Exposure to air.
 Exposure to moisture
 Exposure to light.
- Incompatible materials : Acids
 Aldehydes
 aluminum
 Copper
 Copper alloys
 galvanized metals
 halogenated hydrocarbons
 Iron
 Ketones
 Metals
 nitrites
 organic anhydrides
 organic halides
 organic solvent
 strong alkalis
 Strong oxidizing agents
 Zinc
- Hazardous decomposition products : Carbon monoxide
 Carbon dioxide (CO₂)
 Nitrogen oxides (NO_x)
 Ammonia

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity


Not classified based on available information.

Components:

TRIETHANOLAMINE:

- Acute oral toxicity : LD50 (Rat): 6,400 mg/kg
- Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg
 Method: OECD Test Guideline 402

MONOETHANOLAMINE:

| | | |
|--|--|---------------------------|
|  | | Page: 8 |
| SAFETY DATA SHEET | | Revision Date: 10/18/2022 |
| | | Print Date: 01/17/2023 |
| | | SDS Number: R1600200 |
| POOL BREEZE POOL CARE SYSTEM OPTICIDE 227630 | | Version: 1.0 |

Acute oral toxicity : LD50 (Rat): 1,515 mg/kg

Acute inhalation toxicity : LC0 (Rat): ca. 1.3 mg/l
 Exposure time: 6 h
 Test atmosphere: vapour
 Assessment: No adverse effect has been observed in acute inhalation toxicity tests.

Acute dermal toxicity : LD50 (Rabbit, male): 2,504 mg/kg
 Method: OECD Test Guideline 402

LD50 (Rabbit, female): 2,881 mg/kg
 Method: OECD Test Guideline 402

Skin corrosion/irritation

Causes skin irritation.

Product:

Remarks : May cause skin irritation and/or dermatitis.

Components:

TRIETHANOLAMINE:

Result : Mildly irritating to skin

MONOETHANOLAMINE:

Species : Rabbit
 Exposure time : 4 h
 Method : OECD Test Guideline 404
 Result : Corrosive to skin

Serious eye damage/eye irritation

Causes serious eye irritation.

Product:

Remarks : Vapours may cause irritation to the eyes, respiratory system and the skin.
 Causes serious eye irritation.


Components:

TRIETHANOLAMINE:

Result : Not irritating to eyes

MONOETHANOLAMINE:

Species : Rabbit
 Result : Corrosive to eyes

| | | |
|--|--|---------------------------|
|  | | Page: 9 |
| SAFETY DATA SHEET | | Revision Date: 10/18/2022 |
| | | Print Date: 01/17/2023 |
| | | SDS Number: R1600200 |
| POOL BREEZE POOL CARE SYSTEM OPTICIDE 227630 | | Version: 1.0 |

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

TRIETHANOLAMINE:

Test Type : Maximisation Test
 Result : Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity

Not classified based on available information.

Components:

MONOETHANOLAMINE:

Genotoxicity in vitro : Test system: rat hepatocytes
 Method: OECD Test Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
 Result: negative

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

Test system: mouse lymphoma cells
 Metabolic activation: with and without metabolic activation
 Method: OECD Test Guideline 476
 Result: negative

Genotoxicity in vivo : Test Type: In vivo micronucleus test
 Species: Mouse
 Method: OECD Test Guideline 474
 Result: negative
 GLP: yes


Carcinogenicity

Not classified based on available information.

IARC No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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.

| | | |
|--|--|---------------------------|
|  | | Page: 10 |
| SAFETY DATA SHEET | | Revision Date: 10/18/2022 |
| | | Print Date: 01/17/2023 |
| | | SDS Number: R1600200 |
| POOL BREEZE POOL CARE SYSTEM OPTICIDE 227630 | | Version: 1.0 |

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

Components:

MONOETHANOLAMINE:

Exposure routes : Inhalation
 Target Organs : Respiratory Tract
 Assessment : May cause respiratory irritation.

STOT - repeated exposure

Not classified based on available information.

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 : Not classified based on available information.

Components:


TRIETHANOLAMINE:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 11,800 mg/l
 Exposure time: 96 h
 Test Type: flow-through test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Water flea (Ceriodaphnia dubia)): 609.88 mg/l
 Exposure time: 48 h
 Test Type: static test

EC50 (Daphnia magna (Water flea)): 2,038 mg/l
 Exposure time: 24 h
 Test Type: static test

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 216 - 512 mg/l

| | | |
|--|--|---------------------------|
|  | | Page: 11 |
| SAFETY DATA SHEET | | Revision Date: 10/18/2022 |
| | | Print Date: 01/17/2023 |
| | | SDS Number: R1600200 |
| POOL BREEZE POOL CARE SYSTEM OPTICIDE 227630 | | Version: 1.0 |

Exposure time: 72 h
 Test Type: Growth inhibition

MONOETHANOLAMINE:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 114 - 196 mg/l
 Exposure time: 96 h
 Test Type: static test

LC50 (Cyprinus carpio (Carp)): 349 mg/l
 Exposure time: 96 h
 Test Type: semi-static test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 65 mg/l
 Exposure time: 48 h
 Test Type: static test

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): 2.5 mg/l
 Exposure time: 72 h
 Test Type: Growth inhibition
 Method: OECD Test Guideline 201

Toxicity to fish (Chronic toxicity) : NOEC (Oryzias latipes (Orange-red killifish)): 1.24 mg/l
 Exposure time: 41 d

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.85 mg/l
 Exposure time: 21 d
 Method: OECD Test Guideline 211

Persistence and degradability

Components:

TRIETHANOLAMINE:

Biodegradability : Result: Readily biodegradable.
 Biodegradation: 97 %
 Exposure time: 28 d

MONOETHANOLAMINE:


Biodegradability : Result: Readily biodegradable.
 Biodegradation: > 70 %
 Exposure time: 28 d
 Method: OECD Test Guideline 301F

Bioaccumulative potential

Components:

TRIETHANOLAMINE:

Partition coefficient: n-octanol/water : log Pow: -1.00

| | | |
|--|--|---------------------------|
|  | | Page: 12 |
| SAFETY DATA SHEET | | Revision Date: 10/18/2022 |
| | | Print Date: 01/17/2023 |
| | | SDS Number: R1600200 |
| POOL BREEZE POOL CARE SYSTEM OPTICIDE 227630 | | Version: 1.0 |

MONOETHANOLAMINE:

Partition coefficient: n-octanol/water : log Pow: -1.91 (73 °F / 23 °C)
 pH: 7.3
 Method: OECD Test Guideline 107

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.

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

Not regulated as a dangerous good

IMDG-Code


Not regulated as a dangerous good

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

| | | |
|--|--|---------------------------|
|  | | Page: 13 |
| SAFETY DATA SHEET | | Revision Date: 10/18/2022 |
| | | Print Date: 01/17/2023 |
| | | SDS Number: R1600200 |
| POOL BREEZE POOL CARE SYSTEM OPTICIDE 227630 | | Version: 1.0 |

Not regulated as a dangerous good

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.

SECTION 15. REGULATORY INFORMATION

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

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

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 : 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

| | |
|-----------------|----------|
| TRIETHANOLAMINE | 102-71-6 |
| 2-aminoethanol | 141-43-5 |

Pennsylvania Right To Know

| | |
|--------------------------------|------------|
| WATER | 7732-18-5 |
| TRIETHANOLAMINE | 102-71-6 |
| Copper triethanolamine complex | 82027-59-6 |
| Copper ethanolamine complex | 14215-52-2 |
| 2-aminoethanol | 141-43-5 |

New Jersey Right To Know


| | |
|--------------------------------|------------|
| WATER | 7732-18-5 |
| TRIETHANOLAMINE | 102-71-6 |
| Copper triethanolamine complex | 82027-59-6 |
| Copper ethanolamine complex | 14215-52-2 |
| 2-aminoethanol | 141-43-5 |

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 : Not in compliance with the inventory

| | | |
|--|--|---------------------------|
|  | | Page: 14 |
| SAFETY DATA SHEET | | Revision Date: 10/18/2022 |
| | | Print Date: 01/17/2023 |
| | | SDS Number: R1600200 |
| POOL BREEZE POOL CARE SYSTEM OPTICIDE 227630 | | Version: 1.0 |

- TSCA : Exempt
- AIIC : Not in compliance with the inventory
- DSL : Exempt
- ENCS : Not in compliance with the inventory
- KECI : Not in compliance with the inventory
- PICCS : Not in compliance with the inventory
- IECSC : Not in compliance with the inventory

TSCA list

The following substance(s) is/are subject to a Significant New Use Rule:
 Copper ethanolamine complex 14215-52-2

The following substance(s) is/are subject to TSCA 12(b) export notification requirements:
 Copper ethanolamine complex 14215-52-2

Biocides

EPA Reg. # 8959-5-1258

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Caution., Harmful if swallowed or absorbed through the skin.


SECTION 16. OTHER INFORMATION

Further information

Revision Date : 10/18/2022

Full text of H-Statements


- H227 : Combustible liquid.
- H302 : Harmful if swallowed.
- H314 : Causes severe skin burns and eye damage.
- H318 : Causes serious eye damage.
- H335 : May cause respiratory irritation.

| | | |
|--|--|---------------------------|
|  | | Page: 15 |
| SAFETY DATA SHEET | | Revision Date: 10/18/2022 |
| | | Print Date: 01/17/2023 |
| | | SDS Number: R1600200 |
| POOL BREEZE POOL CARE SYSTEM OPTICIDE | | Version: 1.0 |
| 227630 | | |

Full text of other abbreviations

| | | |
|-----------------|---|---|
| Acute Tox. | : | Acute toxicity |
| Eye Dam. | : | Serious eye damage |
| Flam. Liq. | : | Flammable liquids |
| Skin Corr. | : | Skin corrosion |
| STOT SE | : | Specific target organ toxicity - single 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 / TWA | : | 8-hour, time-weighted average |
| ACGIH / STEL | : | Short-term exposure limit |
| NIOSH REL / TWA | : | Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek |
| NIOSH REL / ST | : | STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday |
| OSHA P0 / TWA | : | 8-hour time weighted average |
| OSHA P0 / STEL | : | Short-term exposure 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, 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

| | |
|---|---------------------------|
|  <small>Strong bonds. Trusted solutions.</small> | Page: 16 |
| SAFETY DATA SHEET | Revision Date: 10/18/2022 |
| | Print Date: 01/17/2023 |
| | SDS Number: R1600200 |
| POOL BREEZE POOL CARE SYSTEM OPTICIDE 227630 | Version: 1.0 |

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.

US / EN