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|---|---|
| FOR ANY EMERGENCY, 24 HOURS / 7 DAYS, CALL: | 1-800-654-6911 (OUTSIDE USA: 1-423-780-2970) |
| FOR ALL TRANSPORTATION ACCIDENTS, CALL CHEMTREC®: | 1-800-424-9300 (OUTSIDE USA: 1-703-527-3887) |
| FOR ALL SDS QUESTIONS & REQUESTS, CALL: | 1-800-511-MSDS (OUTSIDE USA: 1-423-780-2347) |

PRODUCT NAME: **ULTIMA SKIMMER SUPPORT**

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Supplier

Ultima
1400 Bluegrass Lakes Parkway ,
Alpharetta, GA, 30004
USA

Telephone: +17705215999
Telefax: +17705215999
Web: www.poolspacare.com

REVISION DATE: 02/22/2016
SUPERCEDES: 05/26/2015

MSDS Number: 000000024482
SYNONYMS: None
CHEMICAL FAMILY: None
DESCRIPTION / USE: Water treatment chemical
FORMULA: None established

Manufacturer

Advantis Technologies
1200 Bluegrass Lakes Parkway
Alpharetta, GA 30004
United States of America

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

| | | |
|---|---|---------------------------------|
| Flammable liquids | : | Category 4 |
| Eye irritation | : | Category 2B |
| Specific target organ toxicity - single exposure | : | Category 2 |
| Specific target organ toxicity - single exposure | : | Category 3 (Respiratory system) |
| Specific target organ toxicity - repeated exposure | : | Category 2 |

GHS label elements

Hazard pictograms



Signal word

: Warning

Hazard statements

: H227 Combustible liquid.
 H320 Causes eye irritation.
 H335 May cause respiratory irritation.
 H371 May cause damage to organs.
 H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

: **Prevention:**
 P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
 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.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves/ eye protection/ face protection.
Response:
 P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308 + P311 IF exposed or concerned: Call a POISON CENTER/doctor.
 P312 Call a POISON CENTER/doctor if you feel unwell.
 P332 + P313 If skin irritation occurs: Get medical advice/ attention.
 P337 + P313 If eye irritation persists: Get medical advice/ attention.
 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
Storage:
 P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
 P403 + P235 Store in a well-ventilated place. Keep cool.
 P405 Store locked up.
Disposal:
 P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| <u>CAS OR CHEMICAL NAME</u> | <u>CAS #</u> | <u>% RANGE</u> |
|--|--------------|----------------|
| Octanoic acid, reaction products with 2-[(2-aminoethyl)amino]ethanol, acrylic acid alkylated (1:2), disodium salts | 68815-55-4 | 9 - 15 |
| Decanoic acid, reaction products with 2-[(2-aminoethyl)amino]ethanol, acrylic acid alkylated (1:2), disodium salts | 68815-45-2 | 9 - 15 |
| Methyl Alcohol | 67-56-1 | 1 - 5 |

SECTION 4. FIRST AID MEASURES

| | |
|---------------|---|
| Inhalation: | IF INHALED: Remove individual to fresh air. Seek medical attention if breathing becomes difficult or if respiratory irritation develops. |
| Skin Contact: | IF ON SKIN: Flush skin with water for 15 minutes. Take off all contaminated clothing. Seek medical attention if irritation develops. |
| Eye Contact: | IF IN EYES: Flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation develops. |
| Ingestion: | IF SWALLOWED: Immediately drink water to dilute. Seek medical attention if symptoms develop. Never give anything by mouth to an unconscious person. |

SECTION 5. FIREFIGHTING MEASURES

Flammability Summary (OSHA): Combustible

Flammable Properties

Flash Point: 61.7 °C

| | |
|--------------------------------|---|
| Fire / Explosion Hazards: | May be ignited by open flame. |
| Extinguishing Media: | Water fog Dry powder Carbon dioxide (CO ₂) Alcohol foam |
| Fire Fighting Instructions: | Use water spray to cool unopened containers. In case of fire, use normal fire-fighting equipment and the personal protective equipment recommended in Section 8 to include a NIOSH approved self-contained breathing apparatus. |
| Hazardous Combustion Products: | During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. |

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Protection for Emergency Situations: Use the personal protective equipment recommended in Section 8 and a NIOSH approved self-contained breathing apparatus.

Spill Mitigation Procedures

Air Release: Keep people away from and upwind of spill/leak.
 Water Release: This material is soluble in water. If the product contaminates rivers and lakes or drains inform respective authorities.
 Land Release: Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Do not contaminate ponds, waterways or ditches with chemical or used container.
 Additional Spill Information : Remove all sources of ignition. Prevent further leakage or spillage if safe to do so. Evacuate personnel to safe areas. Use personal protective equipment as required.

SECTION 7. HANDLING AND STORAGE

Handling: Do not take internally. Avoid contact with skin, eyes and clothing. Upon contact with skin or eyes, wash off with water. Avoid breathing vapours, mist or gas.
 Storage: Store in a cool, dry and well ventilated place. Isolate from incompatible materials.
 Incompatible Materials for Storage: Refer to Section 10, "Incompatible Materials."

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: Local exhaust ventilation or other engineering controls are normally required when handling or using this product to keep airborne exposures below the TLV, PEL or other recommended exposure limit.

Protective Equipment for Routine Use of Product

Respiratory Protection : Wear a NIOSH approved respirator if levels above the exposure limits are possible., NIOSH approved positive pressure supplied air respirator.
 Skin Protection : Wear impervious gloves, boots and apron to avoid skin contact. A full impervious suit is recommended if exposure is possible to a large portion of the body.
 Eye Protection: Safety glasses with side-shields
 Protective Clothing Type: Impervious clothing
 General Protective Measures: Ensure that eyewash stations and safety showers are close to the workstation location.

Components with workplace control parameters

| Components (CAS-No.) | Value | Control parameters | Basis (Update) |
|--------------------------|-------|--------------------|-----------------|
| Methyl Alcohol (67-56-1) | TWA | 200 ppm | ACGIH (02 2014) |

| | | | |
|--|------|----------------------------|-----------------|
| | | | |
| | STEL | 250 ppm | ACGIH (02 2014) |
| | | Dermal absorption possible | ACGIH (02 2014) |

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|---|
| Physical State: | liquid |
| Form | <** Phrase does not exist: LONZA - SX0900048460 **> |
| Color: | <** Phrase does not exist: LONZA - SX0900048460 **> |
| Odor: | <** Phrase does not exist: LONZA - SX0900048460 **> |
| Molecular Weight: | None established |
| pH : | 8.0 - 10.0 |
| | () |
| Boiling Point: | 212 °F (100 °C) |
| Melting point/freezing point | no data available |
| Density | Not applicable |
| Bulk Density: | () |
| | no data available |
| Vapor Pressure: | no data available |
| Vapor Density: | > 1 |
| Viscosity: | no data available |
| Solubility in Water: | soluble in cold water |
| Partition coefficient n-octanol/water: | no data available |
| Evaporation Rate: | no data available |
| Oxidizing: | None established |
| Volatiles, % by vol.: | no data available |
| VOC Content | This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489). This product does not contain any VOC exemptions listed under the U.S. Clean Air Act Section 450. |
| HAP Content | Not applicable |

SECTION 10. STABILITY AND REACTIVITY

| | |
|-----------------------------------|----------------------------------|
| Stability and Reactivity Summary: | Stable under normal conditions. |
| Conditions to Avoid: | Heat, flames and sparks. |
| Chemical Incompatibility: | None known. |
| Hazardous Decomposition Products: | Carbon oxides, Hydrogen, Ammonia |
| Decomposition Temperature: | No data |

SECTION 11. TOXICOLOGICAL INFORMATION

Component Animal Toxicology

Oral LD50 value:

Methyl Alcohol LD50 = 5,600 mg/kg Rat

Component Animal Toxicology

Dermal LD50 value:

Methyl Alcohol LD50 > 2,000 mg/kg Rabbit

Component Animal Toxicology

Inhalation LC50 value:

Methyl Alcohol Inhalation LC50 4 h = 64000 ppm Rat

Product Animal Toxicity

Oral LD50 value: no data available

Dermal LD50 value: no data available

Inhalation LC50 value: no data available

Skin Irritation: This material is expected to be slightly irritating.

Eye Irritation: This material is expected to be slightly irritating.

Skin Sensitization: This material is not known or reported to be a skin or respiratory sensitizer.

Acute Toxicity: May cause mild skin and eye irritation. Ingestion may cause mild gastrointestinal discomfort. Inhalation of mist or vapor may cause irritation to the mucous membranes of the respiratory tract. Overexposure to methanol may cause damage to CNS, eyes, liver, and kidney.

Subchronic / Chronic Toxicity: Chronic overexposure to methanol may cause damage to CNS, eyes, liver, and kidney.

Reproductive and Developmental Toxicity: Not known or reported to cause reproductive or developmental toxicity.

Methyl Alcohol This material at concentrations above the occupational exposure limits has caused developmental effects in animals. However, these effects were observed only at those doses that resulted in maternal toxicity.

Mutagenicity: Not known or reported to be mutagenic.

Methyl Alcohol This chemical has been shown to be non-mutagenic based on a battery of assays.

Carcinogenicity: This product is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP or EPA.

Methyl Alcohol This chemical is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP, or EPA.

SECTION 12. ECOLOGICAL INFORMATION

Overview: No data for product. Individual constituents are as follows:

Ecological Toxicity Values for: Methyl Alcohol

| | | |
|--------------------------------------|--------------------------------------|-------------|
| Pimephales promelas (fathead minnow) | - (measured, flow-through) 96 h LC50 | 28,200 mg/l |
| Bluegill | - (measured, flow-through) 96 h LC50 | 15,400 mg/l |
| Rainbow trout (Salmo gairdneri), | - (measured, flow-through) 96 h LC50 | 20,100 mg/l |
| Common shrimp (Crangon crangon) | - (nominal, renewal). 48 h LC50 | 2,500 mg/l |
| Daphnia magna, | - (nominal, static). 48 h EC50 | 24,500 mg/l |

SECTION 13. DISPOSAL CONSIDERATIONS

CARE MUST BE TAKEN TO PREVENT ENVIRONMENTAL CONTAMINATION FROM THE USE OF THE MATERIAL. THE USER OF THE MATERIAL HAS THE RESPONSIBILITY TO DISPOSE OF UNUSED MATERIAL, RESIDUES AND CONTAINERS IN COMPLIANCE WITH ALL RELEVANT LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS REGARDING TREATMENT, STORAGE AND DISPOSAL FOR HAZARDOUS AND NONHAZARDOUS WASTES.

Waste Disposal Summary : If this product becomes a waste, it DOES NOT meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D.

Disposal Methods : As a nonhazardous liquid waste, it should be disposed of in accordance with local, state and federal regulations.

SECTION 14. TRANSPORT INFORMATION

DOT
Not dangerous goods

TDG
Not dangerous goods

IATA

Not dangerous goods

IMDG-CODE

Not dangerous goods

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) |
|------------|---------|--------------------|-----------------------------|
| Methanol | 67-56-1 | 5000 | * |

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

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

SARA 302

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313

The following components are subject to reporting levels established by SARA Title III, Section 313:

Methanol 67-56-1

Clean Air Act

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

Methanol 67-56-1

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations

Massachusetts Right To Know

Methanol 67-56-1

Pennsylvania Right To Know

Octanoic acid, reaction products with 2-[(2-aminoethyl)amino]ethanol, acrylic acid alkylated (1:2), disodium salts 68815-55-4

Decanoic acid, reaction products with 2-[(2-aminoethyl)amino]ethanol, acrylic acid alkylated (1:2), disodium salts 68815-45-2

Methanol 67-56-1

New Jersey Right To Know

Octanoic acid, reaction products with 2-[(2-aminoethyl)amino]ethanol, acrylic acid alkylated (1:2), disodium salts 68815-55-4

Decanoic acid, reaction products with 2-[(2-aminoethyl)amino]ethanol, acrylic acid alkylated (1:2), disodium salts 68815-45-2

Methanol 67-56-1

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:

TSCA : The components of this product are listed on the TSCA Inventory of Existing Chemical Substances.

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

SECTION 16. OTHER INFORMATION

SECTIONS REVISED: 15
Major References : Available upon request.

THIS MATERIAL SAFETY DATA SHEET (MSDS) HAS BEEN PREPARED IN COMPLIANCE WITH THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200. THE INFORMATION IN THIS MSDS SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THIS INFORMATION HAS BEEN PREPARED FOR THE GUIDANCE OF PLANT ENGINEERING, OPERATIONS AND MANAGEMENT AND FOR PERSONS WORKING WITH OR HANDLING THIS PRODUCT. ARCH CHEMICALS BELIEVES THIS INFORMATION TO BE RELIABLE AND UP TO DATE AS OF THE DATE OF PUBLICATION BUT, MAKES NO WARRANTY THAT IT IS. ADDITIONALLY, IF THIS MSDS IS MORE THAN THREE YEARS OLD, YOU SHOULD CONTACT ARCH CHEMICALS MSDS CONTROL AT THE PHONE NUMBER ON THE FRONT PAGE TO MAKE CERTAIN THAT THIS DOCUMENT IS CURRENT. .