

APPLIED BIOCHEMISTS POOLTRINE 60

Version 1.0

MSDS Number: 000000024512

Revision Date: 2015.05.29

SECTION 1. IDENTIFICATION

Product name : APPLIED BIOCHEMISTS POOLTRINE 60

Product code : 000000024512

Manufacturer or supplier's detailsCompany : Advantis Technologies
1200 Bluegrass Lakes Parkway
Alpharetta, GA
30004
United States of America

Company :

E-mail address : www.poolspacare.com

E-mail address :

Emergency telephone number : In case of emergency call CHEMTREC US: 1-800-424-9300,
CHEMTREC WORLD: 1-703-527-3887.

Emergency telephone number : ACEAN - DAY OR NIGHT: (800) 654-6911

SECTION 2. HAZARDS IDENTIFICATION**GHS Classification**

Acute toxicity (Oral) : Category 4

Acute toxicity (Inhalation) : Category 4

Eye irritation : Category 2B

GHS Label element

Hazard pictograms :



Signal word : Warning

Hazard statements : H302 + H332 Harmful if swallowed or if inhaled
H320 Causes eye irritation.Precautionary statements : **Prevention:**
P261 Avoid breathing 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.
Response:
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician 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

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do. Continue rinsing.

P312 Call a POISON CENTER or doctor/ physician if you feel unwell.

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

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

Storage:

P402 + P404 Store in a dry place. Store in a closed container.

P410 + P403 Protect from sunlight. Store in a well-ventilated place.

Disposal:

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

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**Hazardous components**

Chemical Name	CAS-No.	Concentration (%)
Poly[oxyethylene (dimethyliminio) ethylene]	31512-74-0	60.00

SECTION 4. FIRST AID MEASURES

- General advice : Call a poison control center or doctor for treatment advice. For 24-hour emergency medical assistance, call Arch Chemical Emergency Action Network at 1-800-654-6911. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
- If inhaled : IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
- In case of skin contact : IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
- In case of eye contact : IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
- If swallowed : IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

SECTION 5. FIREFIGHTING MEASURES

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- Suitable extinguishing media : Water fog
Carbon dioxide (CO₂)
Foam
Dry powder
- Specific hazards during firefighting : May be ignited by open flame.
- Further information : 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.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use the personal protective equipment recommended in Section 8 and a NIOSH approved self-contained breathing apparatus.

Environmental precautions

- Air : Not applicable
- Soil : 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.
- Water : soluble
If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Do not take internally.
Avoid contact with skin, eyes and clothing.
If in eyes or on skin, rinse well with water.
Avoid breathing vapours, mist or gas.
- Conditions for safe storage : Store in a cool, dry and well ventilated place. Isolate from incompatible materials.
Do not freeze.
- Materials to avoid : Refer to Section 10, "Incompatible Materials."

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

We are not aware of any national exposure limit.
Contains no substances with occupational exposure limit values.

Appropriate engineering controls

- Engineering measures** : No exposure limits exist for the constituents of this product. Addi-

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tional ventilation beyond that of general exhaust is not normally required.

Personal protective equipment

Respiratory protection	:	Respiratory protection not normally needed. If vapors, mists or aerosols are generated, wear a NIOSH approved respirator. Wear a NIOSH approved N95 respirator.
Hand protection	:	
Remarks	:	Impervious gloves
Eye protection	:	Safety glasses with side-shields
Skin and body protection	:	impervious clothing
Protective measures	:	Emergency eyewash should be provided in the immediate work area.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour	:	no data available
Odour	:	no data available
Odour Threshold	:	no data available
pH	:	6.0 - 8.0
Melting point/freezing point	:	< 0 °C
Boiling point/boiling range	:	> 100 °C
Flash point	:	100 °C
Evaporation rate	:	no data available
Flammability (solid, gas)	:	Combustible above 93 deg. C / 200 deg. F.
Flammability (solid, gas)	:	no data available
Upper explosion limit	:	no data available
Lower explosion limit	:	no data available
Vapour pressure	:	no data available
Relative vapour density	:	no data available
Relative density	:	1.15 (20 °C)

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Density	:	no data available
Bulk density	:	no data available
Solubility(ies) Water solubility	:	completely soluble
Partition coefficient: n- octanol/water	:	No data.
Auto-ignition temperature	:	no data available
Decomposition temperature	:	no data available
Viscosity Viscosity, dynamic	:	125 mPa.s (20 °C)
Viscosity, kinematic	:	no data available

SECTION 10. STABILITY AND REACTIVITY

Possibility of hazardous reactions	:	Stable under normal conditions.
Conditions to avoid	:	Heat, flames and sparks.
Incompatible materials	:	Anionic polymers
Hazardous decomposition products	:	Carbon monoxide

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	:	Ingestion Eyes Inhalation
Acute toxicity		
Acute oral toxicity (LD50)	:	= 1,951 mg/kg Species: Rat (male)
Acute oral toxicity (LD50)	:	= 2,587 mg/kg Species: Rat (female)
Acute inhalation toxicity (LC50)	:	3 ppm Species: Rat Exposure time: 4 h
Acute dermal toxicity (LD50)	:	> 2,000 mg/kg Species: Rabbit
Acute toxicity	:	Remarks: May cause mild eye irritation. Ingestion may cause mild gastrointestinal discomfort.

Skin corrosion/irritation

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Skin irritation : Remarks: Contact would be expected to cause transient redness if not washed off and left on the skin for an extended period of time. Not considered to be a primary skin irritant.

Serious eye damage/eye irritation

Eye irritation : Remarks: May cause mild eye irritation.

Respiratory or skin sensitisation

Sensitisation : Remarks: This material is not known or reported to be a skin or respiratory sensitizer. A similar product was found to be a negative skin sensitizer in the Guinea pig Buehler method test.

Carcinogenicity**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 identified as a carcinogen or potential carcinogen by OSHA.

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.

ACGIH

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

Repeated dose toxicity

: Remarks: Not known or reported to cause subchronic or chronic toxicity.

Further information

Remarks: This information is not available.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity**

no data available

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

Other adverse effects

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- Ozone-Depletion Potential : Regulation: US. EPA Clean Air Act (CAA) Section 602 Ozone-Depleting Substances (40 CFR 82, Subpt. A, App A & B)
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).
- Additional ecological information : Very toxic to aquatic life.

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

- Waste from residues : 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.
As a nonhazardous liquid waste, it should be disposed of in accordance with local, state and federal regulations.

SECTION 14. TRANSPORT INFORMATION**IATA**

- UN number** : 3082
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.
(Poly[oxyethylene (dimethyliminio) ethylene])
Transport hazard class : 9
Packing group : III
Labels : 9MI
Environmental hazards : yes

IMDG

- UN number** : 3082
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.
(Poly[oxyethylene (dimethyliminio) ethylene])
Transport hazard class : 9
Packing group : III
Labels : 9
EmS Number 1 : F-A
EmS Number 2 : S-F
Environmental hazards : Marine pollutant: yes

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ADR

UN number : 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S.
(Poly[oxyethylene (dimethyliminio) ethylene])
Transport hazard class : 9
Packing group : III
Classification Code : M6
Hazard Identification Number : 90
Labels : 9
Environmental hazards : yes

RID

UN number : 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S.
(Poly[oxyethylene (dimethyliminio) ethylene])
Transport hazard class : 9
Packing group : III
Classification Code : M6
Hazard Identification Number : 90
Labels : 9
Environmental hazards : yes

DOT

UN number : 3082
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.
(Poly[oxyethylene (dimethyliminio) ethylene])
Transport hazard class : 9
Packing group : III
Labels : 9
Emergency Response Guidebook : 171
Number
Environmental hazards : yes

TDG

UN number : 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S.
(Poly[oxyethylene (dimethyliminio) ethylene])
Transport hazard class : 9
Packing group : III
Labels : 9
Environmental hazards : yes

Special precautions for user : none

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not applicable

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SECTION 15. REGULATORY INFORMATION

This chemical is a pesticide product registered by the United States 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 (SDS), and for workplace labels of non-pesticide chemicals.

Signal word : CAUTION!
Hazard statements : Harmful if swallowed.
This pesticide is toxic to fish.

EPCRA - Emergency Planning and Community Right-to-Know Act**SARA 302**

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

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.

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

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**

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No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know

Poly[oxyethylene (dimethyliminio) ethylene] 31512-74-0

New Jersey Right To Know

Poly[oxyethylene (dimethyliminio) ethylene] 31512-74-0

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 : This is an EPA registered pesticide.
: Poly[oxyethylene (dimethyliminio) ethylene]

Inventories

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

SECTION 16. OTHER INFORMATION

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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.