

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: **LEISURE TIME JET CLEAN**

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

### Supplier

**Leisure Time**  
1400 Bluegrass Lakes Parkway ,  
Alpharetta, GA, 30004  
USA

**Telephone: +17705215959**  
**Telefax: +17705215959**  
**Web: www.poolspacare.com**

REVISION DATE: 02/12/2016  
SUPERCEDES: 05/27/2015

MSDS Number: 000000024443  
SYNONYMS:

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  
Skin irritation : Category 2  
Eye irritation : Category 2B

### GHS label elements

Hazard pictograms :



Signal word	:	Warning
Hazard statements	:	H315 Causes skin irritation. H320 Causes eye irritation. H351 Suspected of causing cancer.
Precautionary statements	:	<p><b>Prevention:</b>  P201 Obtain special instructions before use.  P202 Do not handle until all safety precautions have been read and understood.  P264 Wash hands thoroughly after handling.  P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p><b>Response:</b>  P308 + P313 IF exposed or concerned: Get medical advice/ attention.  P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  P321 Specific treatment (see supplemental first aid instructions on this label).  P332 + P313 If skin irritation occurs: Get medical advice/ attention.  P362 + P364 Take off contaminated clothing and wash it before reuse.  P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  P337 + P313 If eye irritation persists: Get medical advice/ attention.</p> <p><b>Storage:</b>  P405 Store locked up.</p>

**Other hazards**

None known.

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

<u>CAS OR CHEMICAL NAME</u>	<u>CAS #</u>	<u>% RANGE</u>
Propranolol, (2-methoxy-methylethoxy-)	34590-94-8	0 - 8
Ethoxylated propoxylated alcohols	68603-25-8	0 - 8

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**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: Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention immediately.
Ingestion:	IF SWALLOWED: Immediately drink water to dilute. Seek medical attention if symptoms develop. Never give anything by mouth to an unconscious person.

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## SECTION 5. FIREFIGHTING MEASURES

Flammability Summary (OSHA): Combustible.

### Flammable Properties

Flash Point: 83 °C

Fire / Explosion Hazards: May be ignited by open flame.  
 Extinguishing Media: Water fog Dry chemical Carbon dioxide (CO<sub>2</sub>) 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.

Upper Flammable / Explosive Limit, % in air: no data available  
 Lower Flammable / Explosive Limit, % in air: no data available

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## 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: Not applicable

Water Release: 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 : Prevent further leakage or spillage if safe to do so. Use personal protective equipment as required. Evacuate personnel to safe areas. Remove all sources of ignition.

## SECTION 7. HANDLING AND STORAGE

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.

Storage: Store in a cool, dry and well ventilated place. Isolate from incompatible materials. Do not freeze.

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., A NIOSH approved half-face air purifying respirator with organic vapor cartridge. Air purifying respirators should not be used in oxygen deficient or IDLH atmospheres or if exposure concentrations exceed ten (10) times the published limit.

Skin Protection : Impervious gloves

Eye Protection: Chemical resistant goggles must be worn.

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)
Propanol, (2, methoxy-methylethoxy-) (34590-94-8)	TWA	100 ppm	ACGIH (02 2014)
		Dermal absorption possible	ACGIH (02 2014)
	STEL	150 ppm	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 :	10.2 ( )
Boiling Point:	No Data
Melting point/freezing point	no data available
Density	no data available
Vapor Pressure:	no data available
Vapor Density:	no data available
Viscosity:	no data available
Solubility in Water:	no data available
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 SOCMII 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., Product will not undergo hazardous polymerization.
Conditions to Avoid:	Heat, flames and sparks.
Chemical Incompatibility:	Strong oxidizing agents
Hazardous Decomposition Products:	no data available
Decomposition Temperature:	no data available

## SECTION 11. TOXICOLOGICAL INFORMATION

### Component Animal Toxicology

#### Oral LD50 value:

Propanol, (2, methoxy-methylethoxy-)	LD50 = 5,300 mg/kg	Rat
Ethoxylated propoxylated alcohols	LD50 = 798 mg/kg	Rat female

### Component Animal Toxicology

#### Dermal LD50 value:

Propanol, (2, methoxy-methylethoxy-)	LD50 > 10,000 mg/kg	Rabbit
Ethoxylated propoxylated alcohols	LD50 = 1,650 mg/kg	Rabbit male

Component Animal ToxicologyInhalation LC50 value:

Propanol, (2, methoxy-methylethoxy-) LC50 1 h > 200 mg/l Rat  
 Ethoxylated no data available  
 propoxylated alcohols

Product Animal Toxicity

Oral LD50 value: LD50 Believed to be > 5,000 mg/kg Rat  
Dermal LD50 value: LD50 Believed to be > 2,000 mg/kg Rabbit  
Inhalation LC50 value: no data available

Skin Irritation: May cause mild skin irritation.  
 Eye Irritation: Moderate eye irritant  
 Skin Sensitization: Not believed to be sensitising to skin.

Acute Toxicity: May cause mild skin irritation and moderate eye irritation. Inhalation of mist/vapors may cause mucous membrane irritation (includes upper respiratory tract).  
 Ingestion may cause gastrointestinal discomfort.  
 Subchronic / Chronic Toxicity: Not known or reported to cause subchronic or chronic toxicity.

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

Propanol, (2, methoxy-methylethoxy-) This chemical has been tested in laboratory animals and no evidence of teratogenicity or fetotoxicity was seen.

Mutagenicity: Not known or reported to be mutagenic.

Propanol, (2, methoxy-methylethoxy-) 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.

Propanol, (2, methoxy-methylethoxy-) This product is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP or EPA. Chemicals of similar structure have been shown not to cause cancer in laboratory animals.

**SECTION 12. ECOLOGICAL INFORMATION**

Overview: Practically non- toxic to fish and other aquatic organisms.

Ecological Toxicity Values - Product:

Pimephales promelas (fathead minnow) - 96 h LC50 Believed to be approximately 200 mg/l (calculated)

Ecological Toxicity Values for: Propanol, (2, methoxy-methylethoxy-)

Pimephales promelas (fathead minnow)	-	96 h LC50 > 10,000 mg/l
Daphnia magna (Water flea)	-	48 h EC50= 1,919 mg/l

Ecological Toxicity Values for: Ethoxylated propoxylated alcohols

Pimephales promelas (fathead minnow)	-	96 h LC50 = 6.4 mg/l
Daphnia magna (Water flea)	-	48 h LC50= 6.2 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. As a nonhazardous liquid waste, it should be disposed of in accordance with local, state and federal regulations.

**SECTION 14. TRANSPORT INFORMATION****DOT**

UN number	:	1993
Description of the goods	:	Combustible liquid, n.o.s. ((2-Methoxymethylethoxy)propanol, Alcohols, C8-10, ethoxylated propoxylated)
Class	:	CBL
Packing group	:	III
Emergency Response	:	128
Guidebook Number	:	

**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)
Sodium hydroxide	1310-73-2	1000	*

\*: 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**

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 112 (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**

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

Sodium hydroxide

1310-73-2



The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

Sodium hydroxide 1310-73-2

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

(2-Methoxymethylethoxy)propanol 34590-94-8

#### Pennsylvania Right To Know

(2-Methoxymethylethoxy)propanol 34590-94-8  
Alcohols, C8-10, ethoxylated propoxylated 68603-25-8

#### New Jersey Right To Know

(2-Methoxymethylethoxy)propanol 34590-94-8  
Alcohols, C8-10, ethoxylated propoxylated 68603-25-8

#### 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)

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## SECTION 16. OTHER INFORMATION

Major References : Available upon request.

## SAFETY DATA SHEET

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. .