

SDS Date May 29, 2023

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Lipid Extraction Kit  
**PRODUCT CODES:** Cat# PI-0101  
**RESTRICTIONS ON USE:** For laboratory research purposes only. Not for drug or household use.  
**MANUFACTURER:** AkrivisBio, Inc.  
**ADDRESS:** 48511 Warm Springs Blvd., Suite 213, Fremont, CA 94539  
**EMERGENCY PHONE:** 408-739-9315  
**OTHER CALLS:**  
**FAX PHONE:**  
**EMAIL:** [sds@akrivisbio.com](mailto:sds@akrivisbio.com)

## SECTION 2: HAZARDS IDENTIFICATION

Component	Description	Volume	Safety Information
Lipid Extraction Buffer	Solution (contains Isopropanol, Hexane)	25 ml	See below
Lipid Suspension Buffer	Solution (contains Triton X-100)	2.5 ml	See below

### Isopropanol:

#### Emergency Overview

**OSHA Hazards:** Flammable liquid, Target organ effect, Irritant

**Target Organs:** Nerves, Kidney, Cardiovascular system, Gastrointestinal tract, Liver

**GHS Classification:** Flammable liquids (Category 2)  
Skin irritation (Category 3)  
Eye irritation (Category 2A)  
Specific target organ toxicity – single exposure (Category 3)

#### GHS Label elements, including precautionary statements

##### Pictogram



##### Signal word:

Danger

##### Hazard statement(s):

H225 Highly flammable liquid and vapour.  
H316 Causes mild skin irritation.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

##### Precautionary statement(s):

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P261 Avoid breathing dust/fumes/gas/mist/vapors/spray.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

#### HMIS Classification

Health hazard: 2

Chronic hazard: \*

Flammability: 3

Physical hazards: 0

#### NFPA Rating

Health Hazard: 2

Fire: 3

Reactivity Hazard: 0

#### Potential Health Effects

**Inhalation:** May be harmful if inhaled. Causes respiratory tract irritation. Vapors may cause drowsiness or dizziness.

**Skin:** May be harmful if absorbed through skin. Causes skin burns.

**Eyes:** Causes severe eye burns.

**Ingestion:** May be harmful if swallowed.

### Tergitol:

#### Emergency Overview

**GHS Classification:** Skin irritation (Category 2), H315

Skin sensitization (Sub-category 1A), H317

Short-term (acute) aquatic hazard (Category 1), H400

Long-term (chronic) aquatic hazard (Category 1), H410

#### GHS Label elements, including precautionary statements

##### Pictogram:



##### Signal word:

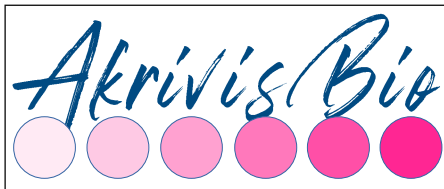
Warning

##### Hazard statement(s):

H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H410 Very toxic to aquatic life with long lasting effects.

##### Precautionary statement(s):

P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.  
P264 Wash skin thoroughly after handling.  
P272 Contaminated work clothing must not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves.



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P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P362 Take off contaminated clothing and wash before reuse.  
P391 Collect spillage.  
P501 Dispose of contents/ container to an approved waste disposal plant

**HMIS Classification**

Health hazard: 0  
Chronic health hazard:

Flammability: 0

Physical hazards: 0

**NFPA Rating**

Health hazard: 0

Fire: 0

Reactivity hazard: 0

**Potential Health Effects**

**Inhalation:** May be harmful if inhaled. Material is irritating to the tissue of the mucous membranes and upper respiratory tract. Harmful; if inhaled. May cause allergy or asthma symptoms or breathing difficulties.

**Skin:** May be harmful if absorbed through skin. May cause an allergic skin reaction.

**Eyes:** Causes eye irritation.

**Ingestion:** Harmful if swallowed.

To the best of our knowledge, the toxicological properties have not been thoroughly investigated

**Hexane:**

**Emergency Overview**

**GHS Classification:**

Flammable liquids (Category 2), H225  
Skin irritation (Category 2), H315  
Reproductive toxicity (Category 2), H361  
Specific target organ toxicity - single exposure (Category 3), Central nervous system, H336  
Specific target organ toxicity - repeated exposure, Oral (Category 2), Nervous system, H373  
Aspiration hazard (Category 1), H304  
Acute aquatic toxicity (Category 2), H401  
Chronic aquatic toxicity (Category 2), H411

**GHS Label elements, including precautionary statements**

**Pictogram:**



**Signal word:**

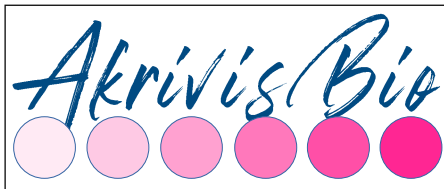
Danger

**Hazard statement(s):**

H225 Highly flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H336 May cause drowsiness or dizziness.  
H361 Suspected of damaging fertility or the unborn child.  
H373 May cause damage to organs (Nervous system) through prolonged or repeated exposure if swallowed.  
H411 Toxic to aquatic life with long lasting effects

**Precautionary statement(s):**

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
P264 Wash skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
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.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P331 Do NOT induce vomiting.  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P362 Take off contaminated clothing and wash before reuse.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.  
P391 Collect spillage.  
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.



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

**HMIS Classification**  
Health hazard: 2  
Chronic health hazard: \*  
Flammability: 3  
Physical hazards: 0  
**NFPA Rating**  
Health Hazard: 2  
Fire: 3  
Reactivity Hazard: 0

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	EC-No.	Molecular Weight	Chemical Formula
Isopropanol	67-63-0	200-661-7	60.10	C <sub>3</sub> H <sub>8</sub> O
Tergitol	84133-50-6	617-534-0	-	-
Hexane	110-54-3	-	-	-

### SECTION 4: FIRST AID MEASURES

**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.  
**If inhaled:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.  
**In case of skin contact:** Wash off with soap and plenty of water. Consult a physician.  
**In case of eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.  
**If swallowed:** DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### SECTION 5: FIRE-FIGHTING MEASURES

**Isopropanol, Hexane:**

**Conditions of flammability:** Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.  
**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
**Special protective equipment for firefighters:** Wear self-contained breathing apparatus for firefighting if necessary.  
**Hazardous combustion products:** Hazardous decomposition products formed under fire conditions – carbon oxides.  
**Further information:** Use water spray to cool unopened containers.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Wear respiratory protection. Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.  
**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.  
**Methods for cleaning up:** Pick up and arrange without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.

### SECTION 7: HANDLING AND STORAGE

**Tergitol:**

**Handling:** Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Spills of these organic materials on hot fibrous insulations may lead to lowering of the Autoignition temperatures possibly resulting in spontaneous combustion.  
**Storage:** No specific requirements. Additional storage and handling information on this product may be obtained by calling your sales or customer service contact. The shelf life given is for unopened containers stored under moderate temperature conditions  
**Precautions for safe handling**  
Avoid inhalation of vapor or mist. Avoid contact with skin and eyes. Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition (no smoking). Take measures to prevent the buildup of electrostatic charge.  
**Conditions for safe storage**  
Keep container tightly closed in a dry and well-ventilated place.  
Recommended storage temperature: RT.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Tergitol:**

**Control parameters**

Exposure limits are listed below, if they exist.

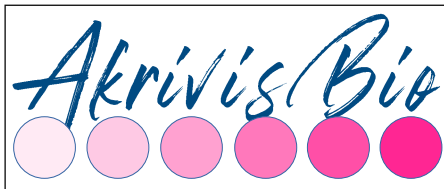
Component	Regulation	Type of listing	Value/Notation
Poly(ethylene oxide)	US WEEL	TWA aerosol	10 mg/m <sup>3</sup>

**Engineering Controls:** Use engineering controls to maintain airborne level below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.

**Personal protective equipment:**

**Respiratory Protection**

Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory



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irritation or discomfort have been experienced, or where indicated by your risk assessment process. In misty atmospheres, use an approved particulate respirator. The following should be effective types of air-purifying respirators: Organic vapor cartridge with a particulate pre-filter.

**Hand protection**

Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Butyl rubber, Chlorinated polyethylene, Polyethylene.

**Eye protection**

Use chemical goggles.

**Skin and body protection**

Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task

**Isopropanol:**

Components	CAS-No.	Value	Control parameters	Basis
2-propanol	67-63-0	TWA	200 ppm	USA. ACGIH Threshold Limit Values (TLV)
Remarks:	Eye & upper respiratory tract irritation. Central nervous system impairment. Not classifiable as a human carcinogen.			
		STEL	400 ppm	USA. ACGIH Threshold Limit Values (TLV)
	Eye & upper respiratory tract irritation. Central nervous system impairment. Not classifiable as a human carcinogen.			
		TWA	400 ppm 980 mg/m <sup>3</sup>	USA. Occupational Exposure Limits (OSHA): Table Z-1 Limits for Air Contaminants - 1910.1000
		STEL	500 ppm 1,225 mg/m <sup>3</sup>	USA. Occupational Exposure Limits (OSHA): Table Z-1 Limits for Air Contaminants - 1910.1000
		TWA	400 ppm 980 mg/m <sup>3</sup>	USA. Occupational Exposure Limits (OSHA): Table Z-1 Limits for Air Contaminants
The value in mg/ m <sup>3</sup> is approximate.				
		TWA	400 ppm 980 mg/m <sup>3</sup>	USA. NIOSH Recommended Exposure Limits
		ST	500 ppm 1,225 mg/m <sup>3</sup>	USA. NIOSH Recommended Exposure Limits

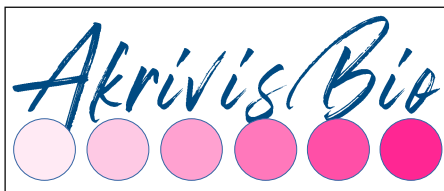
**Hexane:**

Components	CAS-No.	Value	Control parameters	Basis
Hexane	110-54-3	TWA	50.000000 ppm	USA. ACGIH Threshold Limit Values (TLV)
Remarks:	Central Nervous System impairment Eye irritation Peripheral neuropathy Substances for which there is a Biological Exposure Index or Indices (see BEI® section) Danger of cutaneous absorption			
		TWA	50.000000 ppm 180.000000 mg/m <sup>3</sup>	USA. NIOSH Recommended Exposure Limits
		TWA	500.000000 ppm 1,800.000000 mg/m <sup>3</sup>	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
The value in mg/m <sup>3</sup> is approximate				
		TWA	50 ppm	USA. ACGIH Threshold Limit Values (TLV)
	Central Nervous System impairment Eye irritation Peripheral neuropathy Substances for which there is a Biological Exposure Index or Indices (see BEI® section) Danger of cutaneous absorption			
		TWA	50 ppm 180 mg/m <sup>3</sup>	USA. NIOSH Recommended Exposure Limits
		TWA	500 ppm 1,800 mg/m <sup>3</sup>	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
The value in mg/m <sup>3</sup> is approximate.				
		TWA	50 ppm 180 mg/m <sup>3</sup>	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

**Personal protective equipment**

**Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection,



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use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Eye protection**

Tightly fitting safety goggles. Face shield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin and body protection**

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Property	Isopropanol	Tergitol	Hexane
<b>Appearance:</b>	Liquid	Liquid	Liquid
<b>pH</b>	No data available	7.2	7.0
<b>Water Solubility:</b>	Completely soluble	< 0.5 %	insoluble
<b>Other Solubility:</b>	No data available	No data available	No data available
<b>Boiling Point (°C):</b>	82 °C (180 °F)	> 200 °C (> 392 °F)	69 °C (156 °F)
<b>Melting Point (°C):</b>	-89.5 °C (-129.1 °F)	No data available	-95 °C (-139 °F)
<b>Flash Point (°C):</b>	12 °C (53.6 °F) – closed cup	218 °C (424 °F) ASTM D 93	-25.99 °C (-14.78 °F) - closed cup
<b>Ignition Temp. (°C):</b>	425 °C (797 F)	No data available	No data available
<b>Density:</b>	0.785 g/cm <sup>3</sup> at 25 °C (77 °F)	1.027 at 20 °C (68 °F) / 20 °C	No data available

**SECTION 10: STABILITY AND REACTIVITY**

Property	Isopropanol	Tergitol	Hexane
<b>Chemical Stability:</b>	Stable under recommended storage conditions		
<b>Conditions to Avoid:</b>	Heat, flames, sparks, extremes of temperature and direct sunlight	Strong heating	Exposure to moisture may affect product quality. Heat, flames and sparks.
<b>Materials to Avoid:</b>	Oxidizing agents, acid anhydrides, aluminum, halogenated compounds, acids	Strong oxidizing agents, strong acids, strong bases	Oxidizing agents
<b>Hazardous decomposition products:</b>	Carbon oxides	Carbon oxides	No data available

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Tergitol:**

**Acute toxicity:** No data available

**Skin corrosion/irritation:** Mixture causes skin irritation.

**Serious eye damage/eye irritation:** No data available

**Respiratory or skin sensitization:** Mixture may cause an allergic skin reaction.

**Germ cell mutagenicity:** No data available

**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.

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.

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.

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.

**Reproductive toxicity:** No data available

**Specific target organ toxicity – single exposure (GHS):** No data available

**Specific target organ toxicity – repeated exposure (GHS):** No data available

**Aspiration hazard:** No data available

**Synergistic effects:** No data available

**Additional information:** RTECS: No data available

**Isopropanol:**

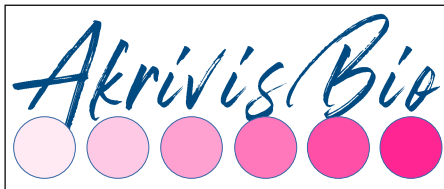
**Acute toxicity:** LD50 Oral – rat – 5,045 mg/kg → Remarks: Behavioral: altered sleep time (including change in righting reflex). Behavioral: somnolence (general depressed activity).

LC50 Inhalation – rat – 8 h – 16,000 ppm

LD50 Dermal – rabbit – 12,800 mg/kg

**Skin corrosion/irritation:** Skin – rabbit- mild skin irritation.

**Serious eye damage/eye irritation:** Eyes – rabbit – eye irritation – 24 h.



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**Respiratory or skin sensitization:** May cause sensitization by skin contact.

**Germ cell mutagenicity:** no data available

**Carcinogenicity:** This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP or EPA classification.

IARC: 3 –Group 3: Not classifiable as to its carcinogenicity to humans (2-propanol).

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.

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.

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.

**Reproductive toxicity:** no data available

**Teratogenicity:** no data available

**Specific target organ toxicity – single exposure (GHS):** May cause drowsiness or dizziness.

**Specific target organ toxicity – repeated exposure (GHS):** no data available

**Aspiration hazard:** no data available

**Potential Health Effects**

**Inhalation:** May be harmful if inhaled. Causes respiratory tract irritation. Vapors may cause drowsiness or dizziness.

**Skin:** May be harmful if absorbed through skin. Causes skin burns.

**Eyes:** Causes severe eye burns.

**Ingestion:** May be harmful if swallowed.

**Signs and Symptoms of Exposure:** Central nervous system depression. Prolonged or repeated exposure can cause: nausea, headache, vomiting, narcosis, drowsiness. Overexposure may cause mild, reversible liver effects.

**Additional information:** RTECS: NT8050000

**Hexane:**

**Acute toxicity:** LD50 Oral - Rat - 25,000 mg/kg

LC50 Inhalation - Rat - 4 h - 48000 ppm

**Skin corrosion/irritation:** Irritating to skin

**Serious eye damage/eye irritation:** Eyes - Rabbit

Result: Mild eye irritation

**Respiratory or skin sensitization:** no data available

**Germ cell mutagenicity:** no data available

**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.

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.

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.

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.

**Reproductive toxicity:** no data available

**Teratogenicity:** no data available

**Specific target organ toxicity – single exposure (GHS):** May cause drowsiness or dizziness.

**Specific target organ toxicity – repeated exposure (GHS):** Ingestion - May cause damage to organs through prolonged or repeated exposure. - Nervous system

**Signs and Symptoms of Exposure:** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Synergistic effects:** no data available

**Additional information:** RTECS: MN9275000

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**SECTION 12: ECOLOGICAL INFORMATION**

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**Isopropanol:**

**Persistence and degradability:** no data available

**Toxicity: Toxicity to fish:** LC50 – Pimephales promelas (fathead minnow) – 9,640 mg/l – 96 h

**Toxicity to daphnia and other aquatic invertebrates:** EC50 – Daphnia magna (water flea) – 5,102 mg/l – 24 h

Immobilization EC50 – Daphnia magna (water flea) – 6,851 mg/l – 24 h

**Toxicity to algae:** EC50 – Desmodesmus subspicatus (green algae) – >2,000 mg/l – 72 h

EC50 – algae – >1,000 mg/l – 24 h

**Bioaccumulative potential:** no data available

**Mobility in soil:** no data available

**PBT and vPvB assessment:** no data available

**Other adverse effects:** no data available

**Tergitol:**

**Toxicity:** No data available

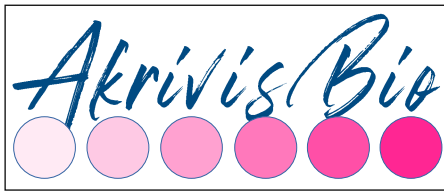
**Persistence and degradability:** Readily biodegradable

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**PBT and vPvB assessment:** No data available

**Other adverse effects:** No data available



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**Hexane:**

**Persistence and degradability:** No data available

**Toxicity:**

**Toxicity to fish** → LC50 - Pimephales promelas (fathead minnow) - 2.5 mg/l - 96.0 h

**Toxicity to daphnia and other aquatic invertebrates** → EC50 - Daphnia magna (Water flea) - 3,878.00 mg/l - 48 h

**Toxicity to algae** → EC50 - Chlorella vulgaris (Fresh water algae) - 12,840.00 mg/l - 3 h

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**PBT and vPvB assessment:** no data available

**Other adverse effects:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Toxic to aquatic life with long lasting effects.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**Tergitol:**

**Product:** Waste material must be disposed of in accordance with the national and local No mixing with other waste.

**Product:** Observe all federal, state, and local environmental regulations.

**Contaminated packaging:** Dispose of as unused product.

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**SECTION 14: TRANSPORT INFORMATION**

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**Isopropanol:**

**DOT (US):** UN-Number: 1219, Class: 3, Packing group: II; Proper shipping name: Isopropanol; Marine pollutant: No; Poison Inhalation Hazard: No

**IMDG:** UN-Number: 1219, Class: 3, Packing group: II; EMS-No: F-E, S-D; Proper shipping name: ISOPROPANOL; Marine pollutant: No

**IATA:** UN-Number: 1219, Class: 3, Packing group: II; Proper shipping name: Isopropanol

**Tergitol:**

**DOT (US):** Not dangerous goods

**IMDG:** UN number: 3082 Class: 9 Packing group: III EMS-No: F-A, S-F  
Proper shipping name: Environmentally hazardous substance, liquid.  
Marine pollutant : yes

**IATA:** UN number: 3082 Class: 9 Packing group: III  
Proper shipping name: Environmentally hazardous substance, liquid.

**Hexane:**

**DOT (US):** UN number: 1208 Class: 3 Packing group: II; Proper shipping name: Hexanes; Reportable Quantity (RQ): 5000 lbs; Poison Inhalation Hazard: No

**IMDG:** UN number: 1208 Class: 3 Packing group: II EMS-No: F-E, S-D; Proper shipping name: HEXANES; Marine pollutant: yes

**IATA:** UN number: 1208 Class: 3 Packing group: II; Proper shipping name: Hexanes

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**SECTION 15: REGULATORY INFORMATION**

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**SARA 302 Components:** SARA 302: No chemical in this material are subject to the reporting requirements of SARA Title III, Section 302.

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

Isopropanol, CAS-No. 67-63-0; Revision Date: 1987-01-01

Hexane, CAS-No. 110-54-3

**SARA 311/312 Hazards:** Isopropanol: Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Hexane: Fire Hazard, Acute Health Hazard, Chronic Health Hazard

**Massachusetts Right To Know Components:** Isopropanol, CAS-No. 67-63-0; Revision Date: 1987-01-01

Hexane, CAS-No. 110-54-3

**Pennsylvania Right To Know Components:** Isopropanol, CAS-No. 67-63-0; Revision Date: 1987-01-01

Hexane, CAS-No. 110-54-3

**New Jersey Right To Know Components:** Isopropanol, CAS-No. 67-63-0; Revision Date: 1987-01-01

Hexane, CAS-No. 110-54-3

**California Prop. 65 Components:** This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**EU regulations**

Component	Risk Phrases	Safety Phrases
Isopropanol	R11, R36, R67	S7, S16, S24/25, S26
Tergitol	R36/37/38; R58	S36/37/39; S57
Hexane	--	--

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**SECTION 16: OTHER INFORMATION:**

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**OTHER INFORMATION:**

**PREPARATION INFORMATION:**

**DISCLAIMER:**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Akrivisbio, Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.