

Tri-Power ASV102 V5

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Tri-Power ASV102-V5
SDS Number: FG6037-2
Revision Date: 1/22/2020
Version: 2
Supplier Details: United Biotech
45 W. Jeffryn Blvd. Deer
Park, NY 11729
Emergency: 631-274-4750
Phone: 631-274-4750

2 HAZARDS IDENTIFICATION

Classification of Substance

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Health, Serious Eye Damage/Eye Irritation, 2 B
Health, Skin corrosion/irritation, 3

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **Warning**

GHS Hazard Pictograms:

no GHS pictograms indicated for this product

GHS Hazard Statements:

H320 - Causes eye irritation
H316 - Causes mild skin irritation

GHS Precautionary Statements:

P273 - Avoid release to the environment.
P280 - Wear protective Gloves/protective clothing/eye protection/face protection.
P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas#	%	Chemical Name
57-55-6	15-20%	Propylene glycol
9016-45-9	1-3%	Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy-

The specific chemical identity and/or exact percentages are being withheld as a trade secret (CBI). In the event of an emergency, the exact chemical formula and percentages will be given to medical personnel upon request.

All chemicals in this product are reported in the EPA TSCA Inventory.

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4 FIRST AID MEASURES

- Inhalation:** If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.
- Skin Contact:** Promptly flush skin with water. If irritation persists, obtain medical attention.
- Eye Contact:** Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation. Contact a physician if redness persists.
- Ingestion:** Give 1-2 glasses of water. Do not induce vomiting. Do not give anything by mouth to an unconscious or convulsing person. Consult a physician.

5 FIRE FIGHTING MEASURES

Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Unsuitable Extinguishing Media: Not applicable.

Hazardous Combustion Products: Not applicable.

Special Exposure Hazards: Contact with some metals, particularly magnesium, aluminum, and zinc can rapidly generate hydrogen, which is explosive.

Special protective equipment: Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures: Use appropriate protective equipment. (See Section 8.) Do not get into eyes, skin, or clothing. Wear respiratory protection. Avoid breathing vapors. Ensure adequate ventilation.

Environmental Precautionary Measures: Do not empty into drains.

Methods and Materials for Containment and Cleanup: This material may be neutralized with dilute acid for disposal. Do not discharge into waste water treatment until liquid residues have been neutralized with dilute acid (pH 6-9). Place in a non-leaking container for proper disposal according to Federal, State, and Local regulations.

7 HANDLING AND STORAGE

- Handling Precautions:** Use in a well-ventilated area. Do not breathe vapors. Do not get on skin, eyes, or clothing.
- Storage Requirements:** Store between 50-80° F. Keep container closed and in a well-ventilated area.

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8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use in well ventilated area.
Personal Protective Equipment: Propylene glycol (57-55-6) [15-20%]
 Personal protective equipment
 Eye protection: Safety Glasses
 Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Propylene glycol (57-55-6) [15-20%]

Components with workplace control parameters

TWA 10 mg/m3 USA. Workplace Environmental Exposure Levels (WEEL)

Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy- (9016-45-9) [1-3%] : no data available

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Green Liquid	Odor:	Clean
Physical State:	Liquid	Solubility:	Soluble in Water
Odor Threshold:	No data available	Freezing or Melting Point:	No data available
Specific Gravity or Density:	1.0	Flash Point:	No data available
viscosity:	No data available	Vapor Density:	No data available
Boiling Point:	No data available	Autoignition Temperature:	No data available
Partition Coefficient:	No data available	Upper Flammability Limit:	No data available
Vapor Pressure:	No data available		
pH:	8.0 - 8.5		
Evaporation Rate:	No data available		
Decomp Temp:	No data available		

10 STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions
Conditions to Avoid: Open flame and excessive heat.
Materials to Avoid: Avoid contact with strong oxidizing agents.
Hazardous Decomposition: Oxides of carbon. Other unknown decomposition possible.
Hazardous Polymerization: Will not occur.

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11**TOXICOLOGICAL INFORMATION**

Propylene glycol (57-55-6) [15-20%]

Information on toxicological effects

Acute toxicity:

Oral LD50 LD50 Oral - rat - 20,000 mg/kg

Inhalation LC50 no data available

Dermal LD50 LD50 Dermal - rabbit - 20,800 mg/kg

Other information on acute toxicity LD50 Intramuscular - rat - 14 g/kg

LD50 Intravenous - dog - 26 g/kg

LD50 Intraperitoneal - rat - 6,660 mg/kg

LD50 Subcutaneous - rat - 22,500 mg/kg

LD50 Intravenous - rat - 6,423 mg/kg

LD50 Intraperitoneal - mouse - 9,718 mg/kg

Remarks: Lungs, Thorax, or Respiration:Chronic pulmonary edema. Kidney, Ureter, Bladder:Changes in both tubules and glomeruli. Blood:Changes in spleen.

LD50 Subcutaneous - mouse - 17,370 mg/kg

Remarks: BehaviOral:Change in motor activity (specific assay). BehaviOral:Muscle contraction or spasticity. Cyanosis

LD50 Intravenous - mouse - 6,630 mg/kg

LD50 Intravenous - rabbit - 6,500 mg/kg

Skin corrosion or irritation: Skin - Human - Mild skin irritation - 7 d

Serious Eye Damage or Eye Irritation: Eyes - rabbit - Mild eye irritation

Respiratory or skin sensitisation: 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

Teratogenicit

Specific target organ toxicity - Single exposure (Globally Harmonized System):
no data availableSpecific target organ toxicity - Repeated exposure (Globally Harmonized System):
no data available

Aspiration hazar

Potential health effects: Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.

Signs and Symptoms of Exposure: Gastrointestinal disturbance, Nausea, Headache, Vomiting, Central nervous system

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depression

Synergistic effects: no data available

Additional Information RTECS: TY2000000

Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy- (9016-45-9) [1-3%]

Information on toxicological effects

Acute toxicity: no data available

Inhalation: no data available

Dermal: no data available

Skin corrosion or irritation: Skin - rabbit Result: Mild skin irritation

Serious Eye Damage or Eye Irritation: Eyes - rabbit Result: Severe eye irritation

Respiratory or skin sensitisation: Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

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: May cause respiratory irritation.

Specific target organ toxicity - Repeated exposure: no data available

Aspiration hazard: Additional Information:

RTECS: AX0247000

Nausea, Headache, Vomiting, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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12**ECOLOGICAL INFORMATION**

Propylene glycol (57-55-6) [15-20%]

Information on ecological effects

Toxicity:

Toxicity to fish mortality NOEC - Pimephales promelas (fathead minnow) - 52,930 mg/l - 96 h.

Toxicity to daphnia mortality NOEC - Daphnia - 13,020 mg/l - 48 h.
and other aquatic invertebrates

EC50 - Daphnia magna (Water flea) - > 10,000 mg/l - 48 h

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: no data available

Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy- (9016-45-9) [1-3%]

Information on ecological effects

Toxicity:

Toxicity to fish mortality LOEC - Pimephales promelas (fathead minnow) - 2.0 mg/l - 144 h.

mortality NOEC - Pimephales promelas (fathead minnow) - 1.8 mg/l - 144 h

LC50 - Lepomis macrochirus (Bluegill) - 1.0 - 9.7 mg/l - 96 h

Toxicity to daphnia and mortality NOEC - Daphnia magna (Water flea) - 10.0 mg/l - 144 h.
other aquatic invertebrates

mortality LOEC - Daphnia magna (Water flea) - 20.0 mg/l - 144 h

EC50 - Daphnia magna (Water flea) - - 17.0 mg/l - 48 h

Toxicity to algae Growth inhibition LOEC - Pseudokirchneriella subcapitata - 16.0 mg/l - 96 h.

Growth inhibition NOEC - Pseudokirchneriella subcapitata - 8.0 mg/l - 96 h

Persistence and degradability: Biodegradability Result: 86 % - Readily biodegradable. (Modified Sturm Test)

Bioaccumulative potential: Does not bioaccumulate.

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life.

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13 DISPOSAL CONSIDERATIONS

14 TRANSPORT INFORMATION

USDOT: Not regulated

Marine Pollutant: No

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Propylene glycol (57-55-6) [15-20%] HAP, PA, TSCA

Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy- (9016-45-9) [1-3%] TSCA

Regulatory CODE Descriptions

HAP = Hazardous Air Pollutants

PA = PA Right-To-Know List of Hazardous Substances

TSCA = Toxic Substances Control Act

16 OTHER INFORMATION

HMIS III: Health = 2, Fire = 0, Physical Hazard = 0

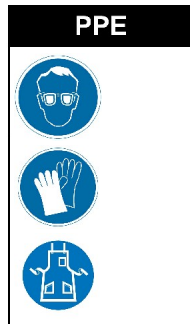
HMIS C - Safety Glasses, Gloves, Apron

Personal

Protective

Equipment:

HMIS	
HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	C



This information is based on our current knowledge of the product and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.