



TRIO PLUS

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: TRIO PLUS
SDS Number: 3303, 10303
Revision Date: 12/13/2017
Product Description: Multi-Strain Spore Based Enzyme Cleaner and Deodorizer
Supplier Details: Winsol Laboratories Inc
 1417 NW 51st St
 Seattle, WA 98107
Emergency: INFOTRAC 1-800-535-5053 (North America); 1-352-323-3500 (International)
Phone: 206-782-5500
Web: www.winsol.com

2 HAZARDS IDENTIFICATION
Classification of the substance or mixture
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):

Health, Acute toxicity, 5 Dermal
 Health, Serious Eye Damage/Eye Irritation, 2 B

GHS Label elements, including precautionary statements
GHS Signal Word: WARNING
GHS Hazard Pictograms:

no GHS pictograms indicated for this product

GHS Hazard Statements:

H313 - May be harmful in contact with skin
 H320 - Causes eye irritation

GHS Precautionary Statements:

P102 - Keep out of reach of children.
 P103 - Read label before use.
 P281 - Use personal protective equipment as required.
 P301 - IF SWALLOWED: May cause gastrointestinal irritation.
 P302 - IF ON SKIN: Prolonged or repeated and confined exposure may cause skin irritation. Wash contaminated clothing and footwear before reuse.
 P304 - IF INHALED: Not considered dangerous.
 P305 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists consult medical personnel.

3 COMPOSITION/INFORMATION ON INGREDIENTS
Ingredients:

Cas#	%	Chemical Name
1300-72-7	1-5%	Benzenesulfonic acid, dimethyl-, sodium salt
77-92-9	.05-.2%	1,2,3-Propanetricarboxylic acid, 2-hydroxy-
68439-50-9	.05-.1%	Alcohols, C12-14, ethoxylated
0	.5-2%	viable Bacteria Cultures

"0" equals no Cas# available/trade secret

The exact percentage (or concentration) of ingredients has been withheld as a trade secret.

Composition Comments: Components and trace elements not listed are either non-hazardous or are below reportable limits.



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4 FIRST AID MEASURES

- Inhalation:** Not considered dangerous.
- Skin Contact:** Prolonged or repeated and confined exposure may cause skin irritation. Wash contaminated clothing and footwear before reuse.
- Eye Contact:** Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists consult medical personnel.
- Ingestion:** Swallowing may cause gastrointestinal irritation. If irritation persists consult medical personnel.

5 FIRE FIGHTING MEASURES

- Flammability:** NOT FLAMMABLE
- EXTINGUISHING MEDIA:** Water
- UNUSUAL FIRE AND EXPLOSION HAZARDS:** None
- SPECIAL FIRE FIGHTING PROCEDURES:** Self-contained breathing apparatus with a full face piece operated in a pressure demand or other positive pressure mode.

6 ACCIDENTAL RELEASE MEASURES

- SMALL SPILL:** Absorb liquid on paper, vermiculite, floor absorbent or other absorbent material and transfer to labeled containers.
- LARGE SPILL:** Stop spill at source, dike area of spill to prevent spreading, pump liquid into salvage tank. Remaining liquid may be taken up on sand, clay, floor absorbent or other absorbent material and shoveled into labeled containers.
- WASTE DISPOSAL METHOD:** Review Federal, Provincial and Local Government requirements prior to disposal.
- PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Exercise care and caution. Store in cool dry place.
- OTHER PRECAUTIONS:** Containers of this material may be hazardous when emptied, since emptied containers retain product residues (vapor, liquid and/or solids), all hazard precautions given in the data sheet must be observed.

7 HANDLING AND STORAGE

- Handling Precautions:** Keep material out of reach of children.
- Storage Requirements:** Store in cool/dry area.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering Controls:** None
- Personal Protective Equipment:** HMIS PP, B | Safety Glasses, Gloves
- RESPIRATORY PROTECTION:** If TLV of the product or component is exceeded, a NIOSH/MSHA jointly approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators under specified condition.
- Ventilation:** Provide general or mechanical ventilation or local exhaust.
- PROTECTIVE GLOVES:** Use impermeable gloves to prevent skin contact. Use head caps, boots, chemical aprons when necessary.
- EYE PROTECTION:** Use safety eyewear designed to protect eyes against liquid splash and mists. Consult your safety equipment supplier.
- OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Use protective clothing to prevent skin contact. Use head caps, boots, chemical aprons when necessary.
- WORK/HYGIENIC PRACTICES:** Eyewashes and safety showers in the workplace are recommended. Wash hands after using. Monitor exposure levels.



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9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Light Straw	Odor:	Mild
Physical State:	Liquid	Solubility:	100% in water
Odor Threshold:	No data available	Freezing/Melting Pt.:	No data available
Spec Grav./Density:	1.02	Flash Point:	No data available
Viscosity:	No data available	Vapor Density:	No data available
Boiling Point:	No data available	Auto-Ignition Temp:	No data available
Flammability:	None	UFL/LFL:	No data available
Partition Coefficient:	No data available		
Vapor Pressure:	No data available		
pH:	No data available		
Evap. Rate:	No data available		
Decomp Temp:	No data available		

10 STABILITY AND REACTIVITY

Reactivity:	Product is stable under normal conditions.
Chemical Stability:	Product is stable under normal conditions.
Conditions to Avoid:	N/A
Materials to Avoid:	Strong Oxidizing Agents, Strong Alkalis, Acids. Do not use in hot or boiling water, disinfectants, bleach, chlorinated products or high alkali. Use of these products before or during use will kill the bacteria and render this product ineffective.
Hazardous Decomposition:	Not known.
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Based on composition of 100% raw materials

Benzenesulfonic acid, dimethyl-, sodium salt (1300-72-7):

Information on toxicological effects

Acute toxicity:

Oral LD50 LD50 Oral - rat - male and female - \geq 7,200 mg/kg

Inhalation LC50 no data available

Dermal LD50 LD50 Dermal - rabbit - male and female - $>$ 2,000 mg/kg

Other information on acute toxicity

Skin corrosion/irritation: Skin - rabbit - No skin irritation - 24 h

Serious eye damage/eye irritation: Eyes - rabbit - Irritating to eyes.

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: Genotoxicity in vitro - Hamster - ovary - with and without metabolic activation - negative

Carcinogenicity:

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, NTP, OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System): no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System): no data available

Aspiration hazard: no data available

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

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:

Repeated dose toxicity - rat - male and female - Dermal - No observed adverse effect level - 763 - 3,534 mg/kg

Repeated dose toxicity - mouse - male - Oral - No observed adverse effect level - \geq 440 mg/kg RTECS: ZE5100000



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1,2,3-Propanetricarboxylic acid, 2-hydroxy- (77-92-9):

Information on toxicological effects

Acute toxicity:

LD50 Oral - rat - 5,400 mg/kg (OECD Test Guideline 401)

Inhalation: no data available

LD50 Dermal - rat - > 2,000 mg/kg (OECD Test Guideline 402)

Skin corrosion/irritation: Skin - rabbit Result: Mild skin irritation (OECD Test Guideline 404)

Serious eye damage/eye irritation: Eyes - rabbit Result: Irritating to eyes. (OECD Test Guideline 405)

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

Germ cell mutagenicity: no data available

Carcinogenicity:

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, NTP, OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: GE7350000

Vomiting, Diarrhoea, Damage to tooth enamel., Dermatitis, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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ECOLOGICAL INFORMATION

Information on ecological effects:

Toxicity: no data available

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

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DISPOSAL CONSIDERATIONS

Waste Disposal Method: Review Federal, Provincial and Local Government requirements prior to disposal.

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TRANSPORT INFORMATION

Non-hazardous.



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15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Benzenesulfonic acid, dimethyl-, sodium salt (1300-72-7) [1-5%] TSCA
 Viable Bacteria Cultures (0) [.5-2%]

SARA Title III chemicals: None

California Prop 65 chemicals: This product contains no chemicals known to the State of California to cause cancer or reproductive toxicity.

CERCLA reportable quantity: None

RCRA hazardous waste no: None

Regulatory CODE Descriptions

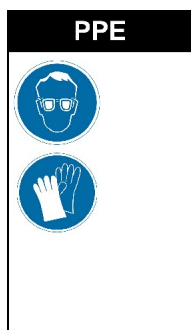
TSCA = Toxic Substances Control Act

16 OTHER INFORMATION

HMIS III: Health = 1, Fire = 0, Physical Hazard = 0

HMIS PPE: B - Safety Glasses, Gloves

HMIS		
HEALTH	1	1
FLAMMABILITY	0	0
PHYSICAL HAZARD	0	0
PERSONAL PROTECTION	B	



HMIS Index: 1-slight , 2-moderate, 3-serious, 4-severe

The information contained herein has been compiled from sources believed to be reliable and accurate to the best of our knowledge at this date. It is provided without warranty, expressed or implied, as to the results of use of this information or to the product to which it relates. Winsol Laboratories, Inc. assumes no responsibility for injury to any person or property resulting from any use of the material. Each user assumes the risk in their use of this product and should review the data and recommendations in the specific context of their intended use.

ISSUE DATE: 05/13/15

REVISION DATE: 12/13/17

REVISIONS: 3 year revision/review