



SAFETY DATA SHEET

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Name PUMP SPRAY DETERGENT/DISINFECTANT

Other means of identification

Product Code(s) 161540

Synonyms Pump Spray

Recommended use of the chemical and restrictions on use

Recommended Use Disinfectant Cleaner

Uses advised against No Information Available

Supplier's details

Supplier Address

Birsch Industries
476 Viking Drive
Virginia Beach, VA. 23452
TEL: 757-622-0355

Emergency telephone number

Emergency Telephone Number CHEM-TEL, INC.
24 Hour Emergency Contact 1-800-255-3924

2. HAZARDS IDENTIFICATION

Classification

SERIOUS EYE DAMAGE/EYE IRRITATION – Category 2B
HAZARDOUS TO THE AQUATIC ENVIRONMENT: ACUTE – Category 2
HAZARDOUS TO THE AQUATIC ENVIRONMENT: LONG TERM – Category 3

GHS Label elements, including precautionary statements

Emergency Overview

Signal Word WARNING

Hazard Statements

- Causes eye irritation
- Toxic to aquatic life
- Harmful to aquatic life with long lasting effects

Appearance Yellow**Physical State** Liquid**Odor** Lemon Scent**Symbol:****Precautionary Statements****Prevention**

Wash thoroughly after handling. Avoid release to the environment.

Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Storage

Store away from incompatible materials.

Disposal

Dispose of contents and container in accordance with applicable local, regional, national and/or international regulations.

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

Chemical Name	CAS-No	Weight %	Notes
Diethylene glycol monobutyl ether	112-34-5	5 – 10	*
Tetra sodium ethylenediamine tetra acetic acid	64-02-8	1 – 5	*

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES**Description of necessary first-aid measures**

Eye Contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

Skin Contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

Indication of immediate medical attention and special treatment needed, if necessary

Most Important Symptoms Exposed individuals may experience eye tearing, redness and discomfort.

Indication of Immediate Medical Attention If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

General Information Ensure that medical personnel are aware of the materials involved, and take precautions to protect themselves.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).
Do NOT use water jet as an extinguisher, as this will spread the fire.

Specific Hazards Arising from the Chemical

During fire, gases hazardous to health may be formed.

Special Protective Equipment and Precautions for Firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire-Fighting Equipment/Instructions

Move containers from fire area if you can do so without risk.

Specific Methods

Use standard firefighting procedures and consider the hazards of other involved materials.

General Fire Hazards

None noted

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.
Environmental Precautions	Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto ground.
Methods for Cleaning Up	<p>Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Following product recovery, flush area with water.</p> <p>Small spills: Wipe up with absorbent material. Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority to sewer systems without previously notifying the local sewage treatment plant authority.</p>

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with eyes. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains.

Conditions for safe storage, including any incompatibilities

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in a dry place no lower in temperature than 50°F or higher than 120°F. Store in original tightly closed container. Store away from incompatible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits	Diethylene glycol monobutyl ether (112-34-5): TWA – 10ppm
Biological Limit Values	No biological exposure limits noted.
Appropriate Engineering Controls	Ensure adequate ventilation, especially in confined areas. Eye wash facilities and emergency shower must be available when handling this product.
<u>Individual protection measures, such as personal protective equipment</u>	
Eye & Face Protection	Wear safety glasses with side shields (or goggles).
Hand & Skin Protection	Wear protective gloves. Wear suitable protective clothing.

Respiratory Protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Hygiene Measures	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Appearance	Blue
Odor	Mild Odor	Odor Threshold	No information available

Property	Values
pH	11.0 – 12.0
Melting Point/Range	> 32°F (> 0°C)
Boiling Point/Boiling Range	> 212°F (> 100°C)
Flash Point	> 201°F (> 93.9°C)
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Flammability Limits in Air	
upper flammability limit	No data available
lower flammability limit	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Relative Density	No data available
Specific Gravity	No data available
Water Solubility	No data available
Solubility in other solvents	No data available
Partition coefficient: n-octanol/water	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available
Flammable Properties	No data available
Explosive Properties	No data available
Oxidizing Properties	No data available

10. STABILITY AND REACTIVITY

Stability

The product is stable

Possibility of hazardous reactions

No dangerous reaction known under normal conditions.

Conditions to avoid

Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials

Strong acids, alkalies and oxidizing agents.

Hazardous decomposition products

Under decompression, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Ingestion	Expected to be a low ingestion hazard.
Inhalation	Prolonged inhalation may be harmful
Skin Contact	Causes mild skin irritation
Eye Contact	Causes eye irritation
Symptoms	Exposed individuals may experience eye tearing, redness and discomfort.

Information on Toxicological Effects

Acute Toxicity

Chemical Name	Dermal LD50	Inhalation LC50	Oral LD50
Pump Spray	> 5 g/kg (Rabbit)	> 2.43 mg/l (Rat)	> 5 g/kg (Rat)

Skin Corrosion/Irritation Causes mild skin irritation

Serious Eye Damage/Eye Irritation Causes eye irritation

Respiratory Sensitization	Not available
Skin Sensitization	This product is not expected to cause skin sensitization.
Germ Cell Mutagenicity	No data available
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive Toxicity This product is not expected to cause reproductive or developmental effects.

Specific Target Organ Toxicity Not applicable

Single Exposure

Specific Target Organ Toxicity Not applicable

Repeated Exposure

Aspiration Hazard Not applicable

Chronic Effects Not applicable

12. ECOLOGICAL INFORMATION

Ectotoxicity	Very toxic to aquatic life with long lasting effects.
Persistence and Degradability	No data available
Bioaccumulative Potential	No data available
Mobility In Soil	No data available
Other Adverse Effects	No other adverse environmental effects are expected from this product.

13. DISPOSAL CONSIDERATIONS

Disposal Instructions	<p>Pesticide Disposal – Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to the label instructions contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.</p> <p>Container Disposal – Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container promptly after emptying.</p> <p>For containers 5 gallons or less – Triple rinse as follows: Fill container ¼ full with water and recap. Agitate vigorously. Follow Pesticide Disposal instructions for rinsate disposal. Deair for 10 seconds after the flow begins to drip. Repeat procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.</p> <p>For containers greater than 5 gallons – Triple Rinse as follows: Fill container ¼ full with water. Tip container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Follow Pesticide Disposal instructions for rinsate disposal. Repeat procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.</p>
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Local Disposal Regulations	Dispose in accordance with all applicable regulations.
Hazardous Waste Code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste From Residues	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.
Contaminated Packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. TRANSPORT INFORMATION

DOT
Not Regulated

15. REGULATORY INFORMATION

U.S. Federal Regulations

This product is a U.S. EPA registered pesticide.
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard Categories: Immediate Hazard – Yes
Hazard Categories: Fire Hazard – Yes
SARA 302 Extremely Hazardous Substance: No
SARA 311/312 Hazardous Chemical: Yes
SARA 313: Not Regulated

Clean Air Act (CAA)

Section 112 Hazardous Air Pollutants List: Not Regulated
Section 112r Accidental Release Prevention: Not Regulated

CERCLA (40 CFR 302.4)

Not Listed

US OSHA Specifically Regulated Substance (29 CFR 1910.1001-1050)

Not Listed

Safe Water Drinking Act (SDWA)

Not Regulated

FIFRA

This chemical is a pesticide product registered by the Environmental Protection Agency and its subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Signal Word – DANGER

Hazard Statements - Corrosive

- Causes irreversible eye damage and skin burns.
- May be fatal if absorbed through skin.
- Harmful if swallowed.
- Harmful if inhaled.
- This product is toxic to fish and aquatic invertebrates.

California Proposition 65

This product contains a chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm.
Methanol (67-56-1) – Developmental Toxin

U.S. State Right-To-Know Regulations

Chemical Name (CAS #)	Pennsylvania	Massachusetts	Rhode Island
Ethanol (64-17-5)	X	X	

16. OTHER INFORMATION**NFPA**

Health 3

Flammability 2

Instability 0

Prepared ByBirsch Industries
476 Viking Drive
Virginia Beach, VA. 23452
TEL: 757-622-0355**Issuing Date**

No information available

Revision Date

1-June 2015

Revision Note

N/A

General Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Safety Data Sheet