

BE042 – PathOdorizer Plus – Cleaner / Odor Eliminator

Date: 11/14/22

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name PathOdorizer Plus

Other Means of Identification

Product Code BE042

Recommended Use of the Chemical and Restrictions on Use

Recommended Use Cleaner/Degreaser/Odor Eliminator

Details of the Supplier of the Safety Data Sheet

Supplier Mopec
800 Tech Row
Madison Heights MI 48071

Emergency Telephone Number

Company Phone Number 800-362-8491
Emergency Telephone INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

Health Hazards

Skin corrosion/ Irritation	Category 2
Serious eye damage/eye irritation	Category 2 Sub-Category A

Signal Word

WARNING

Hazard Statements

Causes eye and skin irritation.
Harmful if swallowed.



Appearance Clear

Physical State: Liquid

Odor: Fragrance Free

Precautionary Statements - Prevention

Keep container tightly closed. No smoking. Use only with adequate ventilation. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective equipment as required.

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if irritation occurs or persists.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Seek medical attention if irritation develops.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if irritation occurs or persists.

IF SWALLOWED: Immediately call a doctor or poison control center. Rinse mouth. DO NOT induce vomiting.

Precautionary Statements - Storage

Store locked up. Keep container tightly closed when not in use. Store in a cool, well ventilated place. Store away from incompatible materials. KEEP OUT OF REACH OF CHILDREN.

Precautionary Statements - Disposal

Dispose of contents/container in accordance with all regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Alkyl Dimethyl Benzyl Ammonium Chloride (C12-16)	68424-85-1	0 - 5
Octyl decyl dimethyl ammonium chloride	32426-11-2	0 - 5
Dioctyl dimethyl ammonium chloride	5538-94-3	0 - 5
Didecyl dimethyl ammonium chloride	7173-51-5	0 - 5
Isopropyl Alcohol	67-63-0	0 - 5
Monoethanolamine	141-43-5	0 - 5

4. FIRST AID MEASURES**First Aid Measures**

Inhalation	Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.
Eye Contact	Immediately flush with plenty of water. Remove contact lenses and continue flushing with water for 15 minutes. Call a physician immediately.
Ingestion	Do NOT induce vomiting. Rinse mouth. Call a poison control center or doctor immediately for treatment advice. Never give anything by mouth to an unconscious person.
Skin Contact	Take off contaminated clothing. Rinse skin with plenty of water for 15 minutes. Call a poison control center or doctor for treatment advice.

Indication of any Immediate Medical Attention and Special Treatment Needed

Ingesting large amounts of this product may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

Note to Physicians	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Water fog, foam, dry chemical powder. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

None known

Specific Hazards Arising from the Chemical

Irritating and toxic gasses or fumes may be released during a fire. Use water spray to keep fire-exposed containers cool.

Protective Equipment and Precautions for Firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

6. ACCIDENTAL RELEASE MEASURES**Personal Precautions, Protective Equipment and Emergency Procedures**

Personal Precautions Immediately evacuate personnel to safe areas. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe vapors.

Methods and Material for Containment and Cleaning Up

Methods for Containment Keep unnecessary and unprotected personnel away. Shut off all ignition sources. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.

Methods for Cleaning Up Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into container for later disposal. Do not flush into surface water or sanitary sewer system. Dispose of the waste material according to local, state and government requirements. Following product recovery, flush area with water.

7. HANDLING AND STORAGE**Precautions for Safe Handling**

Advice on Safe Handling Protect material from direct sunlight. Do not breathe vapor. Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes or clothing. Do not taste or swallow. In case of insufficient ventilation, wear suitable respiratory equipment. Use only with adequate ventilation or outdoors. Wash hands thoroughly after handling.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions Store locked up. Keep containers tightly closed in a dry, cool and well ventilated place with a temperature not lower than 50°F or higher than 120°F. Store out of direct sunlight, and away from incompatible materials.

Incompatible Materials Incompatible with strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl Alcohol 67-63-0	TWA: 200 ppm STEL: 400 ppm	TWA: 400 ppm	-

Appropriate Engineering Controls

Engineering Controls Ensure adequate ventilation, especially in confined areas. Eye wash facilities and emergency shower must be available when handling this product.

Individual Protection Measures, such as Personal Protective Equipment

Personal protective equipment should be selected based on the task being performed and the risks involved

Eye/Face Protection	Tight sealing safety goggles, face protection shield.
Skin and Body Protection	Wear protective gloves.
Respiratory Protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive pressure supplied air respirators may be required for high airborne contaminant concentrations.
General Hygiene Considerations	When using this product do not eat, drink, or smoke. Wash contaminated clothing before reuse. Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid	Odor	Fragrance free
Appearance	Clear Colored	Odor Threshold	N/A
Color	Clear Colored		
Property	Values	Remarks • Method	
pH	9.5 – 10.5		
Flash Point	None when heated to 102° C / 215° F	Cleveland Open Cup	
Evaporation Rate	Not determined		
Specific Gravity	.999		
Explosion Hazards	None Expected		
Water Solubility	Complete		

10. STABILITY AND REACTIVITY

Chemical Stability

Stable under normal use, storage and transport conditions.

Possibility of Hazardous Reactions

None under normal processing and storage.

Conditions to Avoid

Avoid heat, sparks, open flames and other ignition sources. Contact with incompatible materials.

Incompatible Materials

Strong oxidizing agents, reducing agents.

Hazardous Decomposition Products

Upon decomposition, this product may yield oxides of carbon, hydrocarbons, fumes and smoke.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation	Not likely, due to the form of the product.
Eye Contact	Contact with eyes may cause eye irritation.
Skin Contact	Contact may cause skin irritation.

Ingestion

Harmful if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Isopropyl Alcohol 67-63-0	5050 mg/kg (Rat)	12800 mg/kg (Rabbit)	-
2-aminoethanol 141-43-5	1515 mg/kg (Rat)	2504 mg.kg (Rabbit)	>1.3 mg/l 6h

Information on Physical, Chemical and Toxicological Effects**Symptoms**

May cause irritation to the eyes including redness, tearing, and blurred vision.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure**Carcinogenicity**

No components of this product have been identified as a carcinogen or potential carcinogen by ACGIH, OSHA, IARC or NTP.

Unknown Acute Toxicity

None known

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacean
Isopropyl Alcohol 67-63-0		LC50: Fish 9640 mg/l 96 h		EC50: Crustaceans 1400 mg/l 48 h
2-aminoethanol 141-43-5	EC50 Selenastrum capricornutum 2.5 mg/l 72 h	LC50: Cyprinus carpio 349 mg/l 96 h		EC50 Daphnia magna 65 mg/l 48 h

Persistence and Degradability

Expected to be biodegradable

Bioaccumulation

The potential to accumulate or bio-magnify in the environment is low.

Other Adverse Effects

No information available.

13. DISPOSAL CONSIDERATIONS**Disposal of Wastes**

Disposal of this product, solutions and any by-products must comply with the requirements of regional local authority requirements.

Containers

Disposal should be in accordance with the requirements of national and local laws and regulations.

14. TRANSPORT INFORMATION**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

US – Ground Transportation:**DOT**

Not Regulated

IATA

Not Regulated

IMDG

Not Regulated

15. REGULATORY INFORMATION**International Inventories**

A “Yes” indicates that all components of this product comply with the inventory requirements administered by the governing country (s). A “No” indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country (s).

TSCA	United States Toxic Substances Control Act Section 8(b) Inventory	Yes
DSL	Canadian Domestic Substances List	Yes
NDSL	Non-Domestic Substances List	No
EINECS	European Inventory of Existing Chemical Substances	Yes
ELINCS	European List of Notified Chemical Substances	No
ENCS	Japan Existing and New Chemical Substances	Yes
IECSC	China Inventory of Existing Chemical Substances	Yes
KECL	Korean Existing and Evaluated Chemical Substances	Yes
PICCS	Philippines Inventory of Chemicals and Chemical Substances	Yes
New Zealand	New Zealand Inventory	Yes

US Federal Regulations**SARA 313**

Not regulated

US State Regulations**California Proposition 65**

No ingredients listed

U.S. State Right-to-Know Regulations

The following ingredients have been listed:

Chemical Name	New Jersey	Massachusetts	Pennsylvania
2-aminoethanol 141-43-5	X	X	X
Isopropyl Alcohol 67-63-0	X	-	X

16. OTHER INFORMATION**NFPA****Health Hazards****Flammability****Instability**

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HMIS**Health Hazards****Flammability****Reactivity****Personal Protection**

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Disclaimer

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

End of Safety Data Sheet