



# SAFETY DATA SHEET

BE042 – PathOdorizer Plus – Cleaner / Odor Eliminator

Date: 9-15-15

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name** PathOdorizer Plus– Cleaner / Odor Eliminator

**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  
21750 Coolidge Highway  
Oak Park, MI 48237

**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**

<b>3. COMPOSITION/INFORMATION ON INGREDIENTS</b>		
<b>Chemical Name</b>	<b>CAS No</b>	<b>Weight-%</b>
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.

**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

<b>Physical State</b>	Liquid	<b>Odor</b>	Fragrance free
<b>Appearance</b>	Clear Colored	<b>Odor Threshold</b>	N/A
<b>Color</b>	Clear Colored		

  

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	9.5 – 10.5	
<b>Flash Point</b>	None when heated to 102° C / 215° F	Cleveland Open Cup
<b>Evaporation Rate</b>	Not determined	
<b>Specific Gravity</b>	.999	
<b>Explosion Hazards</b>	None Expected	
<b>Water Solubility</b>	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).

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

<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	
	1	0	0	
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Reactivity</b>	<b>Personal Protection</b>
	1	0	0	B

**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**