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SAFETY DATA SHEET

Value Guard Pine Cleaner

Revision: 02/10/2015

Distributor: International Market Brands 21500 Alexander Road, Cleveland, OH 44146 (440)439-0600

1. Product and Company Identification

Product Code:	4506	
Product Name:	Value Guard Pine Cleaner	
Company Name:	PDQ Manufacturing, Inc. 201 Victory Circle Ellijay, GA 30540	Phone Number: (706)636-1848
Web site address:	www.pdqonline.com	
Emergency Contact:	Chemtrec, Use Company Code: A814	(800)424-9300
Information:	info@pdqonline.com	(706)636-1848

2. Hazards Identification

Acute Toxicity: Oral, Category 4
Acute Toxicity: Skin, Category 4
Skin Corrosion/Irritation, Category 2
Serious Eye Damage/Eye Irritation, Category 2A
Acute Toxicity: Inhalation, Category 4
Serious Eye Damage/Eye Irritation, Category 2B
Aquatic Toxicity (Acute), Category 2
Aquatic Toxicity (Chronic), Category 2



GHS Signal Word:	Warning
GHS Hazard Phrases:	H302 - Harmful if swallowed. H312 - Harmful in contact with skin. H315 - Causes skin irritation. H319 - Causes serious eye irritation. H320 - Causes eye irritation. H332 - Harmful if inhaled. H401 - Toxic to aquatic life. H411 - Toxic to aquatic life with long lasting effects.
GHS Precaution Phrases:	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash hands thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
GHS Response Phrases:	P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P302+352 - IF ON SKIN: Wash with plenty of soap and water. P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or physician for treatment advise. Have product container or label with you when calling poison control center or physician. P312 - Call a POISON CENTER or doctor/physician if you feel unwell. P321 - Specific treatment see ... on this label. P330 - Rinse mouth. P332+313 - If skin irritation occurs, get medical advice/attention.

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P337+313 - If eye irritation persists, get medical advice/attention.

P362 - Take off contaminated clothing and wash before re-use.

P363 - Wash contaminated clothing before reuse.

P391 - Corrosive to skin - repeated or prolonged exposure may result in dermatitis or skin sensitisation.

GHS Storage and Disposal Phrases:

P501 - Unused product is not a RCRA Hazardous waste. However, contaminated product and wastes may be RCRA hazardous. Users are advised to determine the appropriate disposal method based on local, state and federal regulations and comply with those regulations.

Potential Health Effects (Acute and Chronic):

Chronic: May cause liver and kidney damage. Sophisticated modeling has clearly proven that 2-butoxyethanol does not build up in the body under any kinds of normal use.

Inhalation:

Harmful if inhaled. May cause respiratory tract irritation. May cause narcotic effects in high concentration. May cause lung damage. May cause anemia. May cause central nervous system effects such as nausea and headache. Material is irritating to mucous membranes and upper respiratory tract. No hazard expected in normal industrial use.

Skin Contact:

Causes symptoms similar to those of inhalation. Skin sensitization testing with human volunteers produced negative results. A skin notation is not recommended by ACGIH, based on estimates from physiologically based pharmacokinetic models which indicate that, even in worst-case dermal-exposure scenarios, 2-butoxyethanol is not absorbed in amounts sufficient to cause red blood cell hemolysis in humans. May cause skin irritation.

Eye Contact:

Skin Absorption: May be harmful if absorbed through the skin.

Causes redness and pain. Causes severe eye irritation.

Ingestion:

Harmful if swallowed. May cause irritation of the digestive tract. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals. No hazard expected in normal industrial use.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, Glycol Ether EB}	1.0 -5.0 %
9016-45-9	Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydr {Nonylphenol Ethoxylate}	1.0 -5.0 %
8002-09-3	Pine oil	1.0 -5.0 %

4. First Aid Measures

Emergency and First Aid Procedures:

In Case of Inhalation:	If inhaled, remove to fresh air. No specific treatment is necessary since this material is not likely to be hazardous by inhalation.
In Case of Skin Contact:	In case of contact, immediately wash skin with soap and copious amounts of water.
In Case of Eye Contact:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
In Case of Ingestion:	Get medical aid immediately. If swallowed, wash out mouth with water provided person is conscious.
Signs and Symptoms Of Exposure:	Exposure can cause: Nausea, headache, and vomiting. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Note to Physician:	None known.

5. Fire Fighting Measures

Flash Pt:

Explosive Limits: LEL: UEL:

Autoignition Pt:

Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Will burn if involved in a fire. Combustible liquid and vapor. Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Material will not burn.

Flammable Properties and Hazards:

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: (See Exposure Controls, Personal Protection section). Remove all sources of ignition. Do not let this chemical enter the environment. PROCEDURE(S) OF PERSONAL PRECAUTION(S)
Methods for cleaning up.
Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

7. Handling and Storage

Precautions To Be Taken in Handling: Keep away from heat, sparks and flame. Do not ingest or inhale. User Exposure: Do not breathe vapor. Avoid contact with eyes, skin, and clothing.

Precautions To Be Taken in Storing: Keep away from sources of ignition. Store in a cool, dry place. Suitable: No special storage requirements.

8. Exposure Controls/Personal Protection

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CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, Glycol Ether EB}	PEL: 50 ppm	TLV: 20 ppm	
9016-45-9	Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydr {Nonylphenol Ethoxylate}			
8002-09-3	Pine oil			

Respiratory Equipment (Specify Type): Respirator protection is not normally required.

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Chemical safety goggles.

Protective Gloves: Protective garments not normally required.

Other Protective Clothing: Protective garments not normally required.

Engineering Controls (Ventilation etc.): There are no special ventilation requirements.

Work/Hygienic/Maintenance Practices: Wash thoroughly after handling.

9. Physical and Chemical Properties

Physical States: [] Gas [X] Liquid [] Solid

Appearance and Odor: Clear green liquid
Pine solvent odor.

Melting Point:

Boiling Point:

Autoignition Pt:

Flash Pt:

Explosive Limits: LEL: UEL:

Specific Gravity (Water = 1): ~ 1.0

Vapor Pressure (vs. Air or mm Hg):

Vapor Density (vs. Air = 1):

Evaporation Rate:

Solubility in Water: Complete

Viscosity: Thin

pH: ~ 10 @ 1%

Percent Volatile:

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: Incompatible materials, ignition sources.

Incompatibility - Materials To Avoid: Strong acids. Strong bases, Aluminum, None.

Hazardous Decomposition Or Byproducts: Carbon monoxide, None.

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions To Avoid -

Hazardous Reactions:

11. Toxicological Information

Toxicological Information: Epidemiology: No information found.
 Reproductive Effects: Mutagenicity: Neurotoxicity: No data available.
 Teratogenicity: No data available.
 Other Studies:

Carcinogenicity/Other Information: CAS# 111-76-2: ACGIH: A3 - Confirmed animal carcinogen with unknown relevance to humans.
 California: Not listed.
 NTP: Not listed.
 IARC: Not listed. CAS# 7732-18-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, Glycol Ether EB}	n.a.	3	A3	n.a.
9016-45-9	Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydr {Nonylphenol Ethoxylate}	n.a.	n.a.	n.a.	n.a.
8002-09-3	Pine oil	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

General Ecological Information: Environmental: TERRESTRIAL FATE: Based on a recommended classification scheme, an estimated Koc value of 67,, determined from an experimental log Kow and a recommended regression-derived equation, indicates that ethylene glycol mono-n-butyl ether is expected to have high mobility in soil. An estimated BCF value of 2.5 was calculated for ethylene glycol mono-n-butyl ether, using an experimental log Kow of 0.83 and a recommended regression-derived equation. According to a recommended classification scheme, this BCF value suggests that bioconcentration in aquatic organisms is low.
 Physical: No information found.
 Other: An estimated BCF value of 2.5,, from an experimental log Kow, suggests that ethylene glycol mono-n-butyl ether bioconcentration in aquatic organisms will be low, according to a recommended classification scheme. ELIMINATION.

13. Disposal Considerations

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
 RCRA P-Series: None listed.
 RCRA U-Series: None listed. Empty container may be recycled or disposed of as solid sanitary waste. Do not reuse container. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: NOT REGULATED FOR DOMESTIC TRANSPORT.

DOT Hazard Class:

UN/NA Number:

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, Glycol Ether EB}	No	No	Yes-Cat. N230
9016-45-9	Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydr {Nonylphenol Ethoxylate}	No	No	No
8002-09-3	Pine oil	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, Glycol Ether EB}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
9016-45-9	Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydr {Nonylphenol Ethoxylate}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 8A PAIR; CA PROP.65: No
8002-09-3	Pine oil	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

16. Other Information

Revision Date: 02/10/2015
Preparer Name: Regulatory Affairs

Hazard Rating System:

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PPE	A

HMIS:

Additional Information About This Product:

Company Policy or Disclaimer:

The information contained in this Safety Data Sheet is provided pursuant to current OSHA regulations to convey information concerning the hazardous nature of the named product. The information supplied was compiled from the most reliable sources available at the time of preparation and in light of the most reasonable foreseeable exposure situations expected from the intended use of this product. The material(s) may present greater or lesser hazard exposure under other circumstances that are beyond the control of the manufacturer. Therefore it is imperative that all directions and warnings on the product label be read and closely followed.