

MATERIAL SAFETY DATA SHEET

NFPA RATING: Health = 1 Flammability = 0 Reactivity = 0
HMIS RATING: Health = 1 Flammability = 0 Reactivity = 0

SECTION I -- IDENTITY AND MANUFACTURER'S INFORMATION

Distributor's Name: Rose Products & Services Inc.
Address: 545 Stimmel Road
 Columbus, OH 43223

Product Name: PerpHect PLUS (#5)

Date Prepared: March 6, 2008

Prepared by: Regulatory Affairs Department

Emergency Telephone No.: (800) 424-9300 (Only in the event of chemical emergency involving a spill, leak, fire, exposure or accident involving chemicals.) **Other information calls:** (816) 233-1321 (Ext. 8285).

SECTION II -- INGREDIENTS/IDENTITY INFORMATION

Components

(Specific Chemical Identity: Common Name(s))	CAS#	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	%
Water	7732-18-5	none	none	N/A	---
Octylphenoxypoly (ethyleneoxy)ethanol (nonionic surfactant)	9002-93-1	none	none	N/A	---

VOC (concentrate) = 0%; VOC (Min. Dilution = 0%)

SECTION III -- PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point:	208°F	Specific Gravity (H₂O = 1):	25°C = 1.004
Vapor Pressure (mm Hg.):	17.6	Percent Volatile by Volume (%):	89%
Vapor Density (AIR = 1):	0.62	Evaporation Rate (ethyl ether = 1):	Slower
Solubility in Water:	complete	Appearance and Odor:	Clear green, liquid with Pine Odor
pH (concentrate):	6.0		

SECTION IV -- FIRE AND EXPLOSION HAZARD DATA

Flash point: None **Flammable Limits:** LEL = N/A UEL = N/A

Extinguishing Media: Water, dry chemical, carbon dioxide, foam.

Special Fire Fighting Procedures: Wear protective clothing and self-contained breathing apparatus with full facepiece operated in a positive-pressure demand mode. Cool containers with water to prevent rupture.

Unusual Fire and Explosion Hazards: None known.

SECTION V -- PHYSICAL HAZARDS

Stability: Stable **Conditions to Avoid:** N/A

Incompatibility (Materials to Avoid): Strong acids, oxidizing agents, chlorine releasing agents.

Hazardous Decomposition Products or Byproducts: Possible oxides of carbon or nitrogen in a fire.

Hazardous Polymerization: N/A **Conditions to Avoid:** None.

SECTION VI -- HEALTH HAZARD DATA

Routes of entry: Inhalation? Yes Skin? Yes Ingestion? Yes

HEALTH HAZARDS (1. Acute and 2. Chronic)

1. Prolonged contact with concentrate may cause eye and skin irritation. May be harmful if swallowed, may cause severe gastrointestinal distress, nausea, vomiting, diarrhea. 2. None known to manufacturer.

Chemical listed as Carcinogen or Potential Carcinogen:

National Toxicology Program = No **I.A.R.C. Monographs =** No **OSHA =** No

This product has no carcinogens listed by IARC, NTP, NIOSH, or ACGIH as of this date, greater than or equal to 0.1%.

Signs and Symptoms of Exposure:

Eyes: Irritation, burning, redness. **Skin:** Irritation, burning, dermatitis. **Inhalation:** Coughing, wheezing, respiratory tract irritation.

Ingestion: Gastrointestinal distress, nausea, diarrhea, vomiting.

Medical Conditions Generally Aggravated by Exposure: No effects indicated.

Emergency and First Aid Procedures:

If in Eyes: Flush with plenty of clean water for at least 15 minutes, lifting upper and lower eyelids. If irritation persists get medical attention. **If on Skin or on clothing:** Flush affected area thoroughly with water. **If Swallowed:** Drink one or two glasses of water. Call a physician immediately. Never give anything by mouth to an unconscious person.

SECTION VII -- PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled: Observe precautions listed in other sections. Isolate leaking containers. Dike area and recover by using absorbent or by mechanical means. Flush area with water to wastewater treatment system.

Waste Disposal Method: Flush spent solutions and small product quantities (less than 5 gallons) to a wastewater treatment system. Reduce discharge rate if foaming occurs. Dispose of larger quantities in accordance with federal, state and local regulations.

Precautions To Be Taken In Handling And Storing: Store in a secure area away from water, food, feed, drugs or clothing. Protect from temperature extremes. Keep container closed when not in use.

Other Precautions: Empty containers retain residues and may be hazardous; triple rinse container and offer for reconditioning or recycle. Do not reuse empty container.

SECTION VIII -- CONTROL MEASURES

Respiratory Protection (Specify Type): Do not use fine fog mist application. **Ventilation:** Local exhaust meeting ACGIH criteria as needed to control vapor or spray mist.

Local Exhaust = Recommended **Mechanical (General)** = Recommended **Special** = N.A.

Other = N.A.

Protective Gloves: Normally not necessary when following label directions. **Eye Protection:** Splash goggles where eye contact is likely.

Other Protective Clothing or Equipment: Normally not necessary when following label directions. **Work/Hygienic Practices:** Wash thoroughly after handling. Follow good hygiene practices and launder contaminated clothing before reuse.

SECTION IX -- TRANSPORTATION INFORMATION

Applicable regulations: DOT = no; IMCO = no; IATA = no

Proper shipping name: Compound, Wash, NOI, Liquid

UN No.: not applicable

Limited Qty.: not applicable

Hazard Class: Not hazardous

Labels required: not applicable

DOT Exception: not applicable

EPA Hazardous waste/number code: not listed

Hazardous waste characteristics:

Ignitability = not applicable; **Corrosivity** = not applicable; **Reactivity** = not applicable

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