



ENFORCER Products, Inc.
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**Material Safety Data Sheet
AND SAFE HANDLING DISPOSAL INFORMATION**

Section 1. Chemical Product and Company Identification

Product name Pine Disinfectant & Cleaner
Product Code HD-PINE-32 CN-PINE32,
CN-PINE128
Formula No. FPINE (EPA Reg# 1839-83-40849)
Date of issue 02/25/02 **Version** 1.00

Emergency telephone number For MSDS Information:
Compliance Services, 404 352 1680
For a Medical Emergency: Toll Free
INFOTRAC, 877 541 2016 (Calls Recorded)
For a Transportation Emergency: Toll Free
CHEMTREC, 800 424 9300 (Calls Recorded)

Prepared by Acuity Specialty Products Group
1420 Seaboard Industrial Blvd.
Atlanta, GA 30318

Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
1) Diethylene glycol monobutyl ether	112-34-5	1-10	Not available.
2) Tetrasodium Ethylenediamine Tetraacetate (EDTA)	64-02-8	1-10	Not available.

Section 3. Hazards Identification

Acute Effects **Routes of Entry** Eye contact. Ingestion.
Eyes Slightly hazardous in case of eye contact (irritant).
Skin May cause mild irritation with direct contact.
Inhalation Non-hazardous in case of inhalation.
Ingestion Slightly hazardous in case of ingestion.

HMIS

Health	1
Fire Hazard	0
Reactivity	0
Personal Protection	A

Chronic Effects There is no known effect from chronic exposure to this product.

Carcinogenic Effects Not listed as carcinogen by OSHA, NTP or IARC.

See Toxicological Information (section 11)

Section 4. First Aid Measures

Eye Contact Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention if irritation occurs.
Skin Contact Wash with soap and water. Get medical attention if irritation develops.
Inhalation Inhalation not likely under normal use conditions.
Ingestion Not harmful if accidentally ingested in small quantities.

Section 5. Fire Fighting Measures

Flash Point Not applicable. **Flammable Limits** Not applicable.
Flammability Not available. **Fire Hazard** Not applicable.
Fire-Fighting Procedures Not applicable.



Section 6. Accidental Release Measures

Spill Clean up Small spills can be taken up with an absorbent and placed in clean dry containers for later disposal.

Section 7. Handling and Storage

Handling No special precautions are necessary if used as intended.
Storage Keep container tightly closed. Keep container in a cool, well-ventilated area. Store above 40°F and below 120°F.

Section 8. Exposure Controls, Personal Protection**Personal Protection****Protective Clothing (Pictograms)**

Eyes Safety glasses.
Body Protective gloves should be worn under prolonged conditions of use.
Respiratory No special protection is required.



Section 9. Physical and Chemical Properties

Physical State	Liquid.	Color	Clear.
pH	11.7-12.4	Odor	Pine (Strong.)
Boiling Point	104.44°C (220°F)	Vapor Pressure	Not available.
Specific Gravity	1.006 (Water = 1)	Vapor Density	Not available.
VOC (Consumer)	80 (g/l).	Evaporation Rate	Not available.
Solubility	Easily soluble in cold water, hot water.		

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.
Incompatibility Do not mix with acids, ammonia, or other chemical.
Hazardous Decomposition Products Not applicable.
Hazardous Polymerization Will not occur.

Section 11. Toxicological Information

Toxicity to Animals **Diethylene glycol monobutyl ether:**
ORAL (LD50): Acute: 6560 mg/kg [Rat.].
Tetrasodium EDTA:
ORAL (LD50): Acute: 3030 mg/kg [Rat.].
Chronic Effects on Humans There is no known effect from chronic exposure to this product.

Section 12. Ecological Information

Ecotoxicity Not available.
Biodegradable/OECD Not available.

Section 13. Disposal Considerations

Waste Information Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Stream Code: Non- Hazardous
Classification: Non-Hazardous
Origin: RCRA
Consult your local or regional authorities.

Section 14. Transport Information

Proper shipping name Not applicable.
DOT Classification Not a DOT controlled material (United States).
UN number Not applicable.
TDG Classification Not a TDG controlled material.

Section 15. Regulatory Information

U.S. Federal Regulations SARA 313 toxic chemical notification and release reporting: Diethylene glycol monobutyl ether
Clean Water Act (CWA) 311: No products were found.
Clean air act (CAA) 112 regulated toxic substances: Diethylene glycol monobutyl ether
State Regulations California prop. 65: No products were found.
WHMIS (Canada) Class D-2B: Material causing other toxic effects (TOXIC).

Section 16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.