

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072



IDENTITY (As Used on Label and List) FLAMETARD for Christmas Trees	Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
--	---

Section I

Manufacturer's Name: FlameTard Corp	Emergency Telephone Number: Day/Night (800) 535-5053 Info Trac
Address (Number, Street, City, State, and ZIP Code): PO Box 170 Grover, NC 28073	Telephone Number for Information: (704) 937-7795 FlameTard Corp.
	Date Prepared: 10/01/2011
	Signature of Preparer (optional): Jim Hilton

Section II – Hazard Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s)):	OSHA PEL	ACGIH TLV	Other Limits Recommended	%(optional)
Before Mixing:				
Formaldehyde CAS 50-00-0		TWA: 0.75ppm CEIL: 0.3ppm STEL: 2ppm		< 1.5%
Phosphoric Acid CAS 7664-38-2		TWA 1ppm TWA 1ppm STEL 3mg/m³		18%
PH=5				

Section III – Physical/Chemical Characteristics

Boiling Point:	90-95° C	Specific Gravity (H ₂ O = 1) @ 20° C	1.1299
Vapor Pressure (mm Hg.):	Ca 40	Melting Point	LT 1°
Vapor Density (AIR = 1)	GT 1	Evaporation Rate: (Butyl Acetate = 1)	LT 1
Solubility in Water:	Miscible		
Appearance and Odor:	Clear colorless liquid with faint odor.		

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used):	COC: >95° C (>190° F)	Flammable Limits	LEL N/A	UEL N/A
Extinguishing Media:	Water, Foam, Carbon Dioxide.			
Special Fire Fighting Procedures:	N/A			
Unusual Fire and Explosion Hazards:	None, except that product, if stored in metal container, can generate explosive hydrogen gas.			

(Reproduce locally)

Section V - Reactivity Data

Stability	Unstable	Conditions to Avoid - Stable at normal storage conditions. Avoid contact with oxidizers, alkalis, phenol. DO NOT STORE IN METAL.
	Stable X	
Incompatibility (<i>Materials to Avoid</i> – Strong oxidizers, alkalis, acids, phenol, urea, some metals)		
Hazardous Decomposition or Byproducts Hydrogen gas (High pressure and flammable) may form. Can release traces of formaldehyde. Some metals may cause hydrogen production.		
Hazardous Polymerization	May Occur	Conditions to Avoid: N/A
	Will Not Occur X	

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
For Formaldehyde	LD₅₀-480 ppm	LD₅₀-270mg/kg	LD_{LO}: Woman, 108mg/kg
for Phosphoric Acid	Lung Corrosive	LD50: 2740 mg/kg (Rabbit)	LD50 1530 mg/kg (Rat)
Health Hazards (<i>Acute and Chronic</i>): Formaldehyde vapors may cause irritation and inflammation of the eyes and mucous membranes of the upper respiratory tract. Repeated skin contact may cause skin irritation, dermatitis, or other allergic reactions.			
Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	No	No	No
Signs and Symptoms of Exposure: Severe exposure may cause nausea, pulmonary irritation, loss of consciousness. May be fatal if swallowed. Direct contact with eyes causes redness, pain, conjunctivitis, and with severe exposure, possible cornea damage.			
Medical Conditions Generally Aggravated by Exposure:	Vapors may cause pulmonary irritation and redness of eyes. Prolonged contact with skin may cause reddening.		
Emergency and First Aid Procedures: Ingestion – Induce vomiting, with tsp salt in glass of water. Repeat. Eye Contact – Rinse immediately with water for 15 minutes. Inhalation: Remove to fresh air, give oxygen or artificial respiration.			

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled: Confine spilled material and absorb with sand, sawdust, earth or other available solids. Place in suitable container. Neutralize with soda ash and flush with water. Call (800) 424-9346 if spill is a reportable quantity. Rinse minor spills into sewer if permitted by federal, state, and local regulations.
Waste Disposal Method: Dispose of in compliance with federal, state, and local regulations.
Precautions to Be taken in Handling and Storing: Keep away from eyes. Avoid contact with skin and clothing. Wash skin that contacted material with soap and water. Avoid breathing mist or vapor. Use only with adequate ventilation.
Other Precautions: Do not use or store near heat or open flame. Store in plastic containers. Provide safety showers and eye wash stations. Personnel handling Formaldehyde must to trained in its use and for emergencies.

Section VIII - Control Measures

Respiratory Protection (<i>Specify Type</i>): Use a NIOSH/MSHA approved respirator suitable for use with inorganic acids and organic vapors, if proper ventilation is not provided.		
Ventilation	Local Exhaust: If required to maintain TLV	Special N/A
	Mechanical (<i>General</i>): Fans	Other N/A
Protective Gloves: Impervious gloves needed to prevent contact (rubber or neoprene)	Eye Protection: Protective glasses or goggles	
Other Protective Clothing or Equipment: Use NIOSH/MSHA approved respirator suitable for inorganic Acids when not ventilated.		
Work/Hygienic Practices: Use adequate clothing to minimize skin contact. Avoid contact with metals. Clean skin contact areas well with soap or detergents.		

* U.S.G.P.O.: 1986 - 491 - 529/45775

Important: This MSDS was prepared is to be used only for this product in its present form. If this material is altered then the MSDS may not be applicable. This Document is generated for the purpose of distributing health, safety, and environmental data. It is not a specification sheet nor should any displayed data be construed as a specification. Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product. This information and the data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. Buyer assumes all risk of usage, storage, and handling of the product in compliance of applicable federal, state and local laws/regulations. FlameTard Corp MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, CONCERNING THE ACCURACY OR COMPLETENESS OF THE INFORMATION AND DATA HEREIN. THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE SPECIFICALLY EXCLUDED. FlameTard Corp will not be liable for claims relating to any party's use or reliance on information and data contained herein regardless of whether it is claimed that the information and data are inaccurate, incomplete, or otherwise misleading.