

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)
Spartan X-12 *Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate the*

Section I	
Manufacturer's Name Spartan Flame Retardants, Inc.	Emergency Telephone Number 815 459-8500
Address (Number, Street, City, State and ZIP Code) 345 E. Terra Cotta Avenue, P.O. Box 395	Telephone Number for Information 815-459-8500 Fax: 815-459-8560
Crystal Lake, IL 60039	Date Prepared 02-01-2003
	Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common name(s))	OSHA PEL	Other Limits ACGIH TLV	Recommended
None.			
All components are included in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory.			
EPA SARA Title III Section 313 (40CFR372) Toxic Chemicals above "de minimus" level: None.			
Proposition 65 Substances Listed by the State of California under the "Safe Drinking Water and Toxic Enforcement Act of 1986": None			
Canada WHMIS Hazardous Ingredients: None.			
DOT Proper Shipping Name: Not regulated by DOT.			
DOT Hazard Class: None.			

Section III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	70 lb/ft ³
Vapor Pressure (mm Hg.)	Negligible	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water 25% at 24°C (75°F)			
Appearance and Odor Small white crystals, odorless.			

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
Not applicable.	None		
Extinguishing Media If product is involved in a fire, any extinguishing media appropriate for the fire may be used.			
Special Fire Fighting Procedures Firefighters should wear butyl rubber boots, gloves and body suit and a self-contained breathing apparatus.			
Unusual Fire and Explosion Hazards Not flammable, but may release ammonia and sulfur oxide gases if product is involved in a fire.			

