Material Safety Data Sheet		U.S. Department of L	abor						
May be used to comply with	Occupational Safety and Health Administration								
OSHA'S Hazard Communication Standard,	(Non-Mandatory Form)								
29 CFR 1910.1200. Standard must be		Form Approved							
consulted for specific requirements.		OMB No. 1218-0072							
IDENTITY (As used on Label and List)		Note: Blank spaces are no	t permitted. If any it	em is not applic	cable, or no				
Spartan X-12	-		lable, the space must						
Section I									
Manufacturer's Name		Emergency Telephone N	Number						
Spartan Flame Retardants, Inc.		815 459-8500	-fe-mation						
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								
545 E. Tella Cotta Avenue, 1.6. Box 575	Date Prepared								
Crystal Lake, IL 60039		02-01-2003							
		Signature of Preparer (o	ptional)						
Section II - Hazardous Ingredients/Identity Information			•						
Section 12 - Hazardous Ingredictics/Identity Into matter			Other L	imits					
Hazardous Components (Specific Chemical Identity; Commo	on name(s))	OSHA PEL	ACGIH TLV	Recomme	nded				
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		10 0 0 10 110							
Boiling Point	N/A	Specific Gravity (H ₂ O =	1)		70 lb/ft ³				
Vapor Pressure (mm Hg.)	IV/A	Melting Point							
rapor i resoure (minirig.)	Negligible	I TOTAL STATE OF THE STATE OF T		1	N/A				
Vapor Density (AIR = 1)		Evaporation Rate							
	N/A	(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		EL T	UEL				
Not applicable.		None	1		OLL				
Extinguishing Media									
If product is involved in a fire, any extinguishing media app	ropriate for t	he fire may be used.	·						
Special Fire Fighting Procedures									
Firefighters should wear butyl rubber boots, gloves and body suit and a self-contained breathing apparatus.									
Unional Site and Evelosian Unionals									
Unusual Fire and Explosion Hazards Not flammable, but may release ammonia and sulfur oxide gases if product is involved in a fire.									
Tive Hammanie, but may release ammonia and suitur gaide gases ir product is mydraed in a fire.									

OSHA 174, Sept. 1985

Section V - React	ivity Data		· · · · · · · · · · · · · · · · · · ·					
Stability	Unstable		Conditions to Avoid					
	Stable	XX	None					
Incompatibility (Materials to Avoid) Oxidizers.								
	mposition or Byp		s					
Hazardous	May Occur	sulfur oxide gases May Occur Conditions to Avoid						
Polymerization		100						
	Will Not Occur	XX	None					
Section VI - Heal	th Hazard Data							
Route(s) of Entr		alation?	Skin?		Ingestion?			
Health Hazards	(Acute and Chror				Α			
None known.	•			 				
Carcinogenicity: None known.				C Monographs? No	OSHA Regulated?			
None Kilowii.		No	 	140	No			
None known.								
Signs and Symp	toms of Exposure	e						
None known.								
Medical Condition	ons vated by Exposul	re N	one known.					
Cenerally Aggra	valed by Exposul	10 11	one known.					
Emergency and First Aid Procedures Does not present significant eye or skin irritation or toxicity requiring special protection. Skin – wash with water, if necessary.								
Eyes – flush wi		e skin i	rritation or toxicity requiring special	protection. Skin – wa	sn with water, if necessary.			
	cautions for Safe l	Handlin	ag and Fisa	<u> </u>				
Steps to Be Tak	en in Case Mater	ial is R	eleased or Spilled					
Shovel dry mat	erial in fiber drun	ns. Flus	sh liquid residue with large amounts o	f water.				
								
Waste Disposal								
Comply with a	li Federal, State ar	nd Loca	il regulations. If approved, may be flu	shed to a wastewater	treatment system.			
	e Taken in Hand			_				
Keep in dry, tig	thtly closed contai	iner and	l store in a cool, dry area. Use only cl	ean dry utensils in har	ndling.			
Other Precautions								
None.								
Section VIII - Control Measures								
Respiratory Protection (Specify Type)								
None normally necessary under general conditions. Ventilation Local Exhaust Good practice to minimize exposure. Special None								
Ventuation								
	Mechanical (6	senera:	y None	Other None				
Protective Gloves	Wear protective	ve glove	es to minimize contact.		Chemical splash goggles if there is a ability of exposure.			
Other Protective Clothing or Equipment None								
Work/Hygienic Practices Handle in accordance with good industrial hygiene and safety practices. These include avoiding unnecessary exposure and removal of the material from eyes, skin and clothing.								
Page 2 •U.S.G.P.O. 1986 -491-529/45775								