Polymerization

Will not Occur

QUICK IDENTIFIER (In Plant Common Name)

MATERIAI	L SAFETY D	ATA SHEET		ThoroShield 550 FR				
Manufacturer's			======================================	Emergency		800-835-8467		
Name	ODIN INT	ERNATIONAL, INC	•	Telephone N	umbers	262-569-7171		
Address	PO Box	811		Other Information	1813 "E" A	Avenue		
	Oconor	mowoc, WI 53066	-0811			s, SD 57104		
Signature of P			_	Date	1			
Responsible fo	or Preparation	Jan S	nite	Prepared		16-Sep-05		
Section 1 - ID		M. Control of the Con			A STATE OF THE STA			
Common Name: (L		ThoroShield 55	0 FR	CAS	26221-73-	8 32588-76-4 25213-02-		
(Trade Name & S	Synonyms)	ThoroShield 95	0 FR	Number(s)		-9 1309-64-4		
		ylene and Octene-1 file		Chemical	Polyolefin			
Name Po	lyester fiber			Family	Polyester			
Formula	(CH2 - C							
Section 2 - HA	AZARDOUS	INGREDIENTS						
Principal Haza	rdous Compo	nent(s) - Chemical a	nd Common	Na %	Threshold	Limit Value (units)		
1,2-bis(Tetraboromophthalimido				<4.8	PEL (mg/m3) = 15			
	- d			·	TWA (mg/	(m3) = 15		
Antimon	y Trioxide			<3.0	PEL (mg/n	n3) = 0.5		
	<u> </u>				TWA (mg/			
						finished product. The above		
component are	encapsulated	in the film and pose	no significa	nt threat to huma	n health or th	ne environment.		
	- Aug							
Section 3 - PH	IYSICAL &	CHEMICAL CHA	RACTERIS	TICS (Fire & 1	Explosion Da	ata)		
Boiling		Not Applicable (N/A	۹)	Specific	0.95	Vapor N/A		
Point				Gravity		Pressure, mmHg		
Percent Volatil by Volume (%)	<b>de</b> 0	Vapor Density	N/A	Evaporation Rate	N/A	•		
Solubility in Water		le in Water	2005	Reactivity ın Water	Not Read	ctive in Water		
Appearance and Odor		nt yellow, odorless r	einforced pla	astic film.				
Flash	N/A	Flammability Limits	Lower	Upper	Auto Ignition	> 660 F (estimated base		
Point	·	in Air, by Volume (%)	N/A	N/A	Temperature	upon raw material AIT)		
Extinguisher Media	Lice water	er spray, dry chemic	al foom or o	amban diayida				
	Use water	er spray, dry chemic	ai, ioain or ca	arbon dioxide		<del></del>		
Special Fire Fighting Proced.	Fire figh	ters should wear a se	elf-contained	breathing appar	atus when th	ere is a possibility of		
exposure to sm	oke, fumes or	hazardous decompo	osition produ	cts. If possible,	water should	be applied as a spray		
from a fogging	nozzle since	this material is a sur	face burning	material.				
Unusual Fire and								
Explosion Hazards	None Knov	vn						
Cartina 4 DII	VCICAL IIIA	ZADDC						
Section 4 - PH	ISICALITA		T	55000				
Stability Unstable		Conditions	emperatu	res over 570°F n	nay release c	ombustible gases.		
Stable	X	to Avoid		<del>, , , , , , , , , , , , , , , , , , , </del>				
Incompatibility		Strong Oxidizing	agents					
(Materials to Avoid	)	The fell '	. 1	1	~			
Hazardous	One divise					arbon dioxide, carbon		
Decomposition		monoxide, water	vapor, ketone	Conditions	atile organic o	compounds.		

to Avoid

6 . 6 HEA										
Section 5 - HEA	LTH HAZ	ARDS								
Threshold *	N/A									
Limit Value				• •						
Signs and Sympt	oms of Expo	osure								
. Acute Not D		Determined		2. Chronic	Not Dete	ermined				
Overexposure	9			Overexposure						
Medical Conditions G	enerally	There are no known	n medical co	onditions aggrav	ated by expo	sure to this p	roduct.			
Aggravated by Expos	ure									
Chemical Listed as Carcinogen		National Toxicology	Not	L.A.R.C.	Not	OSHA	Not			
or Potential Carcinoge	en	Program	Listed	Monographs	Listed		Listed			
OSHA Permissible	None	ACGIH Threshold	None		Other Expos.	None				
Exposure Limit		Limit Value			Limit Used					
Emergency and	Most prol	blems will result from	exposure t	o molten materia	ıls.					
First Aid Procedures										
1. Inhalation	Immediat	ely remove victim fro	m area to fi	esh air. Seek me	edical attenti	on.				
2. Eyes	If contacted by molten material, immediately flush eyes with plenty of cool water for at least 15									
	minutes. Do not permit victim to rub eyes. Immediately seek medical attention.									
3. Skin	If contact by molten material, cool immediately with cool water. Do not attempt to remove									
· · · · · · · · · · · · · · · · · · ·		ified material. Immed								
4. Ingestion	If materia	I is ingested; contact	a physician	or Daison Contr		annronriate u				
-				of Poison Conti	of Center as	appropriate w	henever			
		gn object is swallowed	l	or Foison Contr	ol Center as	арргорпасе ч	henever			
Section 6 - SPEC			l	of Foison Contr	ol Center as	арргорпас м	henever			
	CIAL PRO	gn object is swallowed TECTION INFORM	l	or Foison Cond	ol Center as	арргоргіас м	henever			
Respiratory Prote (Specify Type)	CIAL PRO	gn object is swallowed TECTION INFORM N/A	ATION		ol Center as					
Respiratory Prote (Specify Type) Ventilation	ection  Local Exh	gn object is swallowed TECTION INFORM N/A	i. 1ATION Mechanical		ol Center as	Special	Other			
Respiratory Prote (Specify Type) Ventilation N/A	ection  Local Exh	gn object is swallowed TECTION INFORM N/A aust	I.  IATION  Mechanical  N/A	(General)		Special N/A	Other N/A			
Respiratory Prote (Specify Type) Ventilation N/A Protective	Local Exh N/A Wear pro	n object is swallowed TECTION INFORM  N/A  aust  tective gloves during	I.  IATION  Mechanical  N/A	(General)	Wear eye p	Special N/A protection dur	Other N/A			
Respiratory Prote (Specify Type) Ventilation N/A Protective Gloves	ection  Local Exh	N/A  aust  tective gloves during ng.	I.  IATION  Mechanical  N/A  thermal	(General) Eye Protection	Wear eye p	Special N/A protection dur	Other N/A ring thermal			
Respiratory Prote (Specify Type) Ventilation N/A Protective Gloves Other Protective	Local Exh N/A Wear pro	N/A  aust  tective gloves during ng.  Wear protective sle	Mechanical N/A thermal	(General)  Eye  Protection  processing mate	Wear eye p	Special N/A protection dur	Other N/A ring thermal			
Respiratory Prote (Specify Type) Ventilation N/A Protective Gloves Other Protective Clothing or Equip	Local Exh. N/A Wear pro- processir	N/A  aust  tective gloves during ng.  Wear protective sle minimize the possi	Mechanical N/A thermal	Eye Protection processing mate	Wear eye p processing rial at elevat	Special N/A protection dur	Other N/A ring thermal			
Respiratory Prote (Specify Type) Ventilation N/A Protective Gloves Other Protective Clothing or Equip Section 7 - SPEC	Local Exh. N/A Wear proprocessir	N/A  aust  tective gloves during ng.  Wear protective sle	Mechanical N/A thermal	Eye Protection processing mate	Wear eye p processing rial at elevat	Special N/A protection dur	Other N/A ring thermal			
Respiratory Prote (Specify Type) Ventilation N/A Protective Gloves Other Protective Clothing or Equip Section 7 - SPEC Precautions to be	Local Exh. N/A Wear pro- processir	N/A  aust  tective gloves during ng.  Wear protective sle minimize the possi  CAUTIONS AND SI	Mechanical N/A thermal eeves when ibility of the	Eye Protection processing mate	Wear eye p processing rial at elevat RES	Special N/A protection dur g.'' ed temperatu	Other N/A ring thermal res to			
Respiratory Prote (Specify Type) Ventilation N/A Protective Gloves Other Protective Clothing or Equip Section 7 - SPEC Precautions to be in Handling and S	Local Exh. N/A Wear proprocessin	N/A  aust  tective gloves during ng.  Wear protective sle minimize the possi  CAUTIONS AND SI  This product should	Mechanical N/A thermal eeves when bility of the	Eye Protection processing material burns. AK PROCEDU	Wear eye pprocessing rial at elevat	Special N/A protection dur g.'' ed temperatu	Other N/A ring thermal res to			
Respiratory Prote (Specify Type) Ventilation N/A Protective Gloves Other Protective Clothing or Equip Section 7 - SPEC Precautions to be in Handling and S	Local Exh. N/A Wear proprocessin	N/A  aust  tective gloves during ng.  Wear protective sle minimize the possi  CAUTIONS AND SI	Mechanical N/A thermal eeves when bility of the	Eye Protection processing material burns. AK PROCEDU	Wear eye pprocessing rial at elevat	Special N/A protection dur g.'' ed temperatu	Other N/A ring thermal res to			
Respiratory Prote (Specify Type) Ventilation N/A Protective Gloves Other Protective Clothing or Equip Section 7 - SPEC Precautions to be in Handling and S	Local Exh. N/A Wear proprocessin	N/A  aust  tective gloves during ng.  Wear protective sle minimize the possi  CAUTIONS AND SI  This product should	Mechanical N/A thermal eeves when bility of the	Eye Protection processing material burns. AK PROCEDU	Wear eye pprocessing rial at elevat	Special N/A protection dur g.'' ed temperatu	Other N/A ring thermal res to			
Respiratory Prote (Specify Type) Ventilation N/A Protective Gloves Other Protective Clothing or Equip Section 7 - SPEC Precautions to be in Handling and S light, excessive mother	Local Exh. N/A Wear pro processir  ment CIAL PREC	N/A  aust  tective gloves during ng.  Wear protective sle minimize the possi  CAUTIONS AND SI  This product should	Mechanical N/A thermal eeves when bility of the	Eye Protection processing material burns. AK PROCEDU	Wear eye pprocessing rial at elevat	Special N/A protection dur g.'' ed temperatu	Other N/A ing thermal res to			

## federal, state or local regulations.

IMPORTANT - Do not leave blank spaces. If information is unavailable, unknown or does not apply, so indicate

Dispose in accordance with local regulations

Waste Disposal

Methods