



MATERIAL SAFETY DATA SHEET

GENERAL INFORMATION

PRODUCT NAME OR NUMBER (as it appears on label) Thermo-Shrink® (Heat Shrink Tubing & End Caps)	CATALOG NUMBER All "46" Series
MANUFACTURER'S NAME IDEAL INDUSTRIES, INC.	EMERGENCY TELEPHONE NO. (815) 895-5181
ADDRESS (Number, Street, City, State, Zip Code) Becker Place, Sycamore, IL 60178	
HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZARD CLASS, HAZARD CLASS, HAZARD ID NO. (49 CFR 172.101) None	
CHEMICAL DESCRIPTION Flame Retarded Modified Polyolefin	FORMULA Proprietary

SECTION I - INGREDIENTS

CAS REGISTRY NO.	%W	CHEMICAL NAME(S)*	Listed as a carcinogen in NTP, IARC or OSHA 1910(z) (specify)
		This product contains no hazardous ingredients under Federal Hazard Communication Standard 29 C.F.R.- 1910.1200.	

SECTION II - PHYSICAL DATA

BOILING POINT °F °C Solid	SPECIFIC GRAVITY (H ₂ O=1) 0.98 - 1.47	PERCENT VOLATILE BY VOLUME (%) N/A
SOLUBILITY IN WATER Insoluble	pH = N/A	PERCENT SOLID BY WEIGHT (%) 100
APPEARANCE AND ODOR Flexible plastic tubing, slight odor	IS MATERIAL: LIQUID GAS SOLID PASTE GEL	

SECTION III - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT N/A method used	FLAMMABLE LIMITS LEL N.E. UEL N.E.
EXTINGUISHING MEDIA Dry chemical, CO ₂ , Foam, Water	
SPECIAL FIRE FIGHTING PROCEDURES None	
UNUSUAL FIRE AND EXPLOSION HAZARDS At temperatures above 600°F or burning in open flame, product may give off CO ₂ , CO, methyl and ethyl chlorocarbons, hydrogen chloride or hydrogen bromide.	

* None of the chemical raw materials contained in this formulation are considered hazardous under the Federal Hazards Communication Standard 29 C. F. R 1910.1200

SECTION IV - HEALTH HAZARD INFORMATION

EFFECTS OF OVEREXPOSURE - Conditions to Avoid	
None known	
THRESHOLD LIMIT VALUE	
N/F	
PRIMARY ROUTES OF ENTRY Inhalation ☐ Skin Contact ☒ Other (specify)	
EMERGENCY FIRST AID PROCEDURES	
SKIN CONTACT: See other precautions at bottom of page	
EYE CONTACT:	
None	
INGESTION:	
Consult physician	

SECTION V - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	Direct exposure to flame or excessive heat.
INCOMPATIBILITY (materials to avoid)			
None			
HAZARDOUS DECOMPOSITION PRODUCTS:			
C.O ₂ C.O methyl and ethyl chlorocarbons hydrogen chloride and hydrogen bromide			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	None

SECTION VI - SPILL AND LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED	
Sweep up to prevent entanglement or tripping	
WASTE DISPOSAL METHOD	
Landfill or incinerate in equipment designed to handle hydrogen chloride as a product of combustion	
Follow local, state and federal guidelines.	
CERCLA (Superfund) REPORTABLE QUANTITY (in lbs)	
N/A	
RCRA HAZARDOUS WASTE NO. (40CFR 261.33)	
N/A	
VOLATILE ORGANIC COMPOUND (VOC) (as packaged, minus water)	
N/A	
^a Theoretical _____ lb/gal	N/A
^b Analytical _____ lb/gal	N/A

SECTION VII - PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type)			
None normally required			
VENTILATION	LOCAL EXHAUST (Specify Rate)	None normally required.	SPECIAL N/A
	MECHANICAL (General) (Specify Rate)	Recommended in closed areas	OTHER N/A
PROTECTIVE GLOVES (specify type)		EYE PROTECTION (specify type)	
None		Per company policy	
OTHER PROTECTIVE EQUIPMENT			
N/A			

SECTION VIII - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
Avoid burning in flame Avoid storage above 100°F due to recovery of expanded tubing	
OTHER PRECAUTIONS	
The adhesive in molten state can cause skin burns Immediately immerse affected area in cold clean water	
Do not attempt to pull away solidified material adhering to skin. Seek medical attention.	

SECTION IX - ADDITIONAL INFORMATION

None	
N/A = Not Applicable, N.E. = None Established	
THIS MATERIAL SAFETY DATA SHEET PREPARED BY:	
NAME James R. MacMurdo	SIGNATURE 
TITLE Director, Corporate Quality Assurance	
DATE 03/10/2006	

