



MATERIAL SAFETY DATA SHEET

GENERAL INFORMATION

PRODUCT NAME OR NUMBER (as it appears on label) Twister® wire connectors – all non-filled models	CATALOG NUMBER 30-341, 30-641, 30-342, 30-642, 30-241J, 30-341J, 30-441J, 30-641J
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 Polypropylene, Zinc Plated Steel	FORMULA Proprietary

SECTION I - INGREDIENTS

CAS REGISTRY NO.	%W	CHEMICAL NAME(S)*	Listed as a carcinogen in NTP, IARC or OSHA 1910(z) (specify)
9003-07-0	<71	Polypropylene	No
7439-89-6	<30	Steel	No
1309-64-4	<2	Antimony Trioxide	No

SECTION II - PHYSICAL DATA

BOILING POINT N/A °F °C	SPECIFIC GRAVITY (H ₂ O=1) N/A	PERCENT VOLATILE BY VOLUME (%) <1
SOLUBILITY IN WATER Insoluble	pH = N/A	PERCENT SOLID BY WEIGHT (%) ~100
APPEARANCE AND ODOR	IS MATERIAL: LIQUID <input checked="" type="checkbox"/> SOLID <input type="checkbox"/> GEL GAS <input type="checkbox"/> PASTE	

SECTION III - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT None	method used C. O. C.	FLAMMABLE LIMITS	LEL None	UEL None
EXTINGUISHING MEDIA None Normally Required				
SPECIAL FIRE FIGHTING PROCEDURES Use extinguishing media for surrounding materials.				
UNUSUAL FIRE AND EXPLOSION HAZARDS Use self-contained breathing apparatus with full face shield				
Polypropylene material is a UL listed 94 V-2 flame rated product.				

* 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	
This product has not been evaluated as a whole. Constituents are either steel or are bound in a polymer matrix and potential for hazardous exposure is minimal. However, some fumes may be released upon heating and the user must take the necessary precautions (ventilation, personal protective equipment, etc.) to protect employees from exposure (see Section 8 – Special Precautions)	
Hazardous Component: Antimony Trioxide OSHA PEL: 0.5 mg/m³ as Sb ACGIH PEL: 0.5 mg/m³ as Sb	
THRESHOLD LIMIT VALUE	N/F
PRIMARY ROUTES OF ENTRY	Inhalation <input type="checkbox"/> Skin Contact <input checked="" type="checkbox"/> Other (specify) _____ Ingestion _____
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)			
Strong Oxidizing agents			
HAZARDOUS DECOMPOSITION PRODUCTS:			
Oxides of Carbon			
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 tripping	
WASTE DISPOSAL METHOD	
Landfill or incinerate in accordance with 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	NA
^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)		
		Per company policy		
OTHER PROTECTIVE EQUIPMENT				
None				

SECTION VIII - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
Avoid excessive heat or open flames	
OTHER PRECAUTIONS	
None	

SECTION IX - ADDITIONAL INFORMATION

This product contains the following materials that are subject to the reporting requirements of Section 313 of EPCRA: CAS # 1309-64-4, Antimony Trioxide, 1.4%	
Warning: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer: Antimony Trioxide	

N/A = Not Applicable, N.E. = None Established

THIS MATERIAL SAFETY DATA SHEET PREPARED BY:	
NAME	James R. MacMurdo
TITLE	Director, Corporate QA
DATE	7/27/2004
SIGNATURE	