

MATERIAL SAFETY DATA SHEET

SECTION I PRODUCT IDENTIFICATION AND USE

PRODUCT NAME / IDENTIFICATION		IES 1548 SEAM SEALER (CLEAR)	
W.H.M.I.S. STATUS	CONTROLLED	W.H.I.M.I.S. CLASSIFICATION	CLASS B-2 FLAMMABLE, D2B TOXIC
PRODUCT IDENTIFICATION NUMBER	MIXTURE	PRODUCT DESCRIPTION	SEALER
MANUFACTURER	INTERNATIONAL EPOXIES & SEALERS 30241 COMMERCE DR. SAN ANTONIO, FL 33576 24 HOUR EMERGENCY PHONE INFOTRAC (800) 451-7206	SUPPLIER	INTERNATIONAL EPOXIES & SEALERS 30241 COMMERCE DR. SAN ANTONIO, FL 33576 INFORMATION PHONE (800) 451-7206

SECTION II HAZARDOUS INGREDIENTS

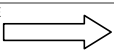
%	HAZARDOUS INGREDIENTS	UNI/CAS #	LC50(TLV)	LD50(ORAL)	LD50(DERMAL)
40-45	Toluene	108-88-3	*8000 PPM (RATS)	2500 Mg/Kg (RATS)	14200 Mg/Kg (RABBITS)
10-15	Styrene- Alphamethylstyrene resin	9011-11-4	N/D	N/D	N/D

Actual LC 50 numbers are preceded by an asterisk *. Where this information is not available a Threshold Limit value (ppm in brackets) may be provided as an indication of the inhalation severity of the ingredient.

SECTION III PHYSICAL DATA

PHYSICAL STATE	GEL		COLOR	CLEAR WITH ESTER SOLVENT ODOR		ODOR THRESHOLD (PPM)	N/D
VAPOR PRESSURE (mm Hg)	N/D		VAPOR DENSITY (Air=1)	>1.0		EVAPORATION RATE	N/D
pH	N/D		SPECIFIC GRAVITY (Kg/1)	.92		BOILING POINT (C)	110
			COEFF. WATER/OIL DIST.	N/D		FREEZING POINT	N/D
						SOLUBILITY IN WATER (20 C)	NOT SOLUBLE

SECTION IV FIRE AND EXPLOSION DATA

FLAMMABILITY	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IF YES, UNDER WHICH CONDITIONS?	ON CONTACT WITH IGNITION SOURCE, FLAME OR TEMPERATURE ABOVE FLASHPOINT		
MEANS OF EXTINGUISHMENT	<input checked="" type="checkbox"/> CARBON DIOXIDE	<input checked="" type="checkbox"/> FOAM	<input type="checkbox"/> FOG SPRAY	<input type="checkbox"/> OTHER (SEE SPECIAL PROCEDURES)	
	<input checked="" type="checkbox"/> DRY CHEMICAL	<input checked="" type="checkbox"/> WATER STREAM			
SPECIAL PROCEDURES	FIRE FIGHTERS CLOSE ENOUGH TO BE IN CONTACT WITH FUMES SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS. SOLVENT VAPOURS CAN FLASH-BACK AND FORM EXPLOSIVE MIXTURES WITH AIR. USE FOG SPRAY TO COOL DOWN NEARBY CONTAINERS ONLY.				
FLASHPOINT (C) (METHOD)	45 F (TCC)	LOWER FLAMMABLE LIMIT (% BY VOLUME)	1.2	UPPER FLAMMABLE LIMIT (% BY VOLUME)	7.0
AUTO-IGNITION TEMPERATURE (C)	N/D	HAZARDOUS COMBUSTION PRODUCTS	OXIDES OF NITROGEN		
EXPLOSIVE DATA			SENSITIVITY TO IMPACT	NONE	
			SENSITIVITY TO STATIC DISCHARGE	NONE	

SECTION V REACTIVITY DATA

CHEMICAL STABILITY	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IF NO, UNDER WHICH CONDITIONS?	
INCOMPATIBLE SUBSTANCES	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IF YES, WHICH ONES?	ALKALINE MATERIALS, STRONG ACIDS AND OXIDIZING AGENTS.
REACTIVITY AND UNDER WHICH CONDITIONS?	NONE KNOWN		
HAZARDOUS DECOMPOSITION	CARBON MONOXIDE, CARBON DIOXIDE AND OXIDES OF NITROGEN		

SECTION VI TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY		
<input checked="" type="checkbox"/> SKIN CONTACT	<input checked="" type="checkbox"/> SKIN ABSORPTION	<input checked="" type="checkbox"/> EYE CONTACT <input checked="" type="checkbox"/> INHALATION <input checked="" type="checkbox"/> INGESTION
EFFECTS OF ACUTE EXPOSURE TO PRODUCT		
IRRITATION OF EYES, NOSE, THROAT AND LUNGS. HEADACHE, DIZZINESS, IMPAIRMENT OF CO-ORDINATION, DERMATITIS AND DEFATTING OF SKIN IS POSSIBLE. CAN CAUSE GASTROINTESTINAL IRRITATION.		
EFFECTS IF CHRONIC EXPOSURE TO PRODUCT		
REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENTS MAY LEAD TO PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.		
LD-50-(ORAL)	LD-50-(DERMAL)	LC-50
N/D	N/D	N/D
EXPOSURE LIMITS		IRRITANCY OF PRODUCT
200 PPM (EST)		MODERATE
SENSITIZATION	CARCINOGENICITY	TERATOGENICITY
NON-SENSITIZING	NON-CARCINOGENIC	NON-TERATOGENIC
REPRODUCTIVE TOXICITY	MUTAGENICITY	SYNERGISTIC PRODUCTS
NONE KNOWN	NONE KNOWN	NONE KNOWN

SECTION VII PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT
SELF CONTAINED RESPIRATOR IF VENTILATION IS INADEQUATE. WEAR GOGGLES, FACE SHIELD AND RUBBER GLOVES WHEN HANDLING.
ENGINEERING CONTROLS
USE WITH ADEQUATE VENTILATION. ELECTRICAL AND MECHANICAL EQUIPMENT SHOULD BE SPARK PROOF.
LEAK AND SPILL PROCEDURES
REMOVE ALL IGNITION SOURCES, TURN OFF ALL ELECTRIC MOTORS, ABSORB WITH INERT MATERIAL KEEP SPILLS AWAY FROM MUNICIPAL SEWERS.
WASTE DISPOSAL
DISPOSE OF IN ACCORDANCE WITH LOCAL REGULATIONS.
HANDLING PROCEDURES AND EQUIPMENT
KEEP CONTAINER CLOSED WHEN NOT IN USE
STORAGE REQUIREMENTS
STORE IN FLAMMABLE GOODS AREA
SPECIAL SHIPPING INSTRUCTIONS
NONE

SECTION VIII FIRST AID MEASURES

EYE CONTACT
FLUSH EYES WITH GENTLE STREAM OF WATER FOR AT LEAST 15 MINUTES. CONTACT A PHYSICIAN.
SKIN CONTACT
RINSE EFFECTED AREAS WITH MILD SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. WASH CLOTHING BEFORE REUSE.
INHALATION
REMOVE VICTIM TO FRESH AIR. PROVIDE CPR AND OXYGEN, IF NECESSARY. CONTACT PHYSICIAN.
ASPIRATION / INGESTION
DO NOT INDUCE VOMITING. CALL PHYSICIAN IMMEDIATELY.
OTHER
IN ALL CASES SEE A PHYSICIAN IF ANY PROBLEMS PERSIST.

SECTION IX PREPARATION DATE OF MSDS

PREPARED BY	INFORMATION PHONE	DATED
INTERNATIONAL EPOXIES & SEALER	(800) 451-7206	NOV 1 2001

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