

MATERIAL SAFETY DATA SHEET

Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER

1512

HMIS CODES

Health 2
Flammability 2
Reactivity 1

PRODUCT NAME

INTER-SEAL Joint and Seam Sealer

MANUFACTURER'S NAME

International Epoxies & Sealers
30241 Commerce Drive
San Antonio, FL 33576
www.internationalepoxies.com

EMERGENCY TELEPHONE NO.

(800) 535-5053 (Infotrac)
Outside the U.S.A: Call Collect (352)-323-3500

Section 2 -- COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

% by WT	CAS No.	INGREDIENT	UNITS	VAPOR PRESSUR
5 - 20%	108-88-3	Toluene	ACGIH TLV ACGIH STEL OSHA PEL OSHA STEL	38
			TWA: 50 ppm 150 ppm TWA: 300 pm 200 ppm	
5 - 20%	1330-20-7	Xylene	ACGIH TLV ACGIH STEL OSHA PEL OSHA STEL	9.5
			150 ppm 150 ppm 100 ppm 150 ppm	
1 - 5%	100-41-4	Ethylbenzene	ACGIH TLV ACGIH STEL OSHA PEL OSHA STEL	1.333
			100 ppm 125 ppm 100 ppm 125 ppm	
< 1%	95-63-6	1,2,4-Trimethylbenzene	ACGIH TLV ACGIH STEL OSHA PEL OSHA STEL	7.0
			N/E N/E TWA: 25 ppm 25 ppm	
1 - 5%	13463-67-7	Titanium Dioxide	ACGIH TLV ACGIH STEL OSHA PEL OSHA STEL	N/A
			10 mg/m3 N/E 15 mg/m3 total dust N/E	
20 - 50%	14807-96-6	Talc	ACGIH TLV ACGIH STEL OSHA PEL OSHA STEL	0
			TWA: 2 mg/m3 respirable N/E TWA: 20 mppcf, respirable N/E	
5 - 20%	1317-65-3	Calcium Carbonate	ACGIH TLV ACGIH STEL OSHA PEL OSHA STEL	0
			TWA: 15 mg/m3 respirable N/E N/E TWA: 10 mg/m3	

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Section 3 -- HAZARDS IDENTIFICATION
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ROUTES OF EXPOSURE:

Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

EFFECTS OF OVEREXPOSURE:

Irritation of eyes, skin and upper respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or sprays. Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

None generally recognized.

CANCER INFORMATION:

FOR COMPLETE DISCUSSION OF TOXICOLOGY DATA REFER TO SECTION 11.

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Section 4 -- FIRST AID MEASURES
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If INHALED:

If affected, remove from exposure. Restore breathing. Keep warm and quiet.

If on SKIN:

Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.

If in EYES:

Flush eyes with large amounts of water for 15 minutes. Get medical attention.

If SWALLOWED:

Do not induce vomiting. Get medical attention immediately.

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Section 5 -- FIRE FIGHTING MEASURES
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FLASH POINT	LEL	UEL
N/D F	1.2	7.0

EXTINGUISHING MEDIA:

Use National Fire Protection Association (NFPA) Class B extinguishers (carbon dioxide, dry chemical, or universal aqueous film forming foam) designed to extinguish NFPA Class IB flammable liquid fires. Water spray may be ineffective. Water spray may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES:

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

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Section 6 -- ACCIDENTAL RELEASE MEASURES
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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Provide maximum ventilation. Only personnel equipped with proper respiratory, skin, and eye protection should be permitted in the area. Remove all sources of ignition. Take up spilled material with sand, vermiculite, or other noncombustible absorbent material and place in clean, empty containers for disposal. Only the spilled material and the absorbant should be placed in this container.

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Section 7 -- HANDLING RELEASE MEASURES
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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively. During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and other sources of ignition. Consult NFPA Code. Use approved bonding and grounding procedures. Contents under pressure. Do not puncture, incinerate, or expose to temperature above 120F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children.

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Section 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION
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PRECAUTIONS TO BE TAKEN IN USE:

Use only with adequate ventilation. Avoid contact with skin and eyes. Avoid breathing vapor and spray mist. Wash hands after using. This coating may contain materials classified as nuisance particulates (listed "as Dust" section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in section 2, the applicable limits for nuisance dust are ACGIII TLV 10 mg/m3 (total dust), 3 mg/m3 (respirable fraction), OSHA PEL 15 mg/m3 (total dust), 5 mg/m3 (respirable fraction). Removal of paint by sanding, scraping, or other means may generate dust or fumes that contain lead.

VENTILATION:

Local exhaust preferable. General exhaust acceptable if the exposure to materials in section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION:

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in section 2. When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

PROTECTIVE GLOVES:

None required for normal application of these products where minimal skin contact is expected. For long repeated contact, wear chemical resistant gloves.

EYE PROTECTION:

Wear safety spectacles with unperforated sideshields.

OTHER PRECAUTIONS:

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

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Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES
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PRODUCT WEIGHT	10.552 lb/gal	1265 g/l
SPECIFIC GRAVITY	1.260	
BOILING POINT	0 - 380 F	-17 - 193 C
VOLATILES	29.7 % by wt	43.6 % by vol
EVAPORATION RATE	Same as ether	

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Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES
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VAPOR DENSITY	Heavier than air	
REGULATORY VOC	3.14 lb/gal	376 g/l
ACTUAL VOC	3.14 lb/gal	376 g/l

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Section 10 -- STABILITY AND REACTIVITY
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STABILITY:

This product is normally stable and will not undergo hazardous reactions.

CONDITIONS TO AVOID:

None Known.

INCOMPATIBILITY:

Avoid contact with strong alkalies, strong mineral acids, or strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide, carbon dioxide, oxides of sulfur, oxides of barium, lower molecular weight polymer fractions

HAZARDOUS POLYMERIZATION:

None Known.

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Section 11 -- TOXICOLOGICAL INFORMATION
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CAS No.	Ingredient Name				
108-88-3	Toluene	LC50	RAT	4HR	N/E
		LD50	RAT		N/E
1330-20-7	Xylene	LC50	RAT	4HR	5000 ppm
		LD50	RAT		4300 mg/kg
100-41-4	Ethylbenzene	LC50	RAT	4HR	N/E
		LD50	RAT		3500 mg/kg
95-63-6	1,2,4-Trimethylbenzene	LC50	RAT	4HR	18000 mg/m3
		LD50	RAT		Nil Reported
13463-67-7	Titanium Dioxide	LC50	RAT	4HR	N/E
		LD50	RAT		N/E
14807-96-6	Talc	LC50	RAT	4HR	N/E
		LD50	RAT		N/E
1317-65-3	Calcium Carbonate	LC50	RAT	4HR	N/E
		LD50	RAT		6450 mg/kg

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Section 12 -- ECOLOGICAL INFORMATION
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ECOTOXICOLOGICAL INFORMATION:

ECOTOXICITY: No Information Available

ENVIRONMENTAL FATE:

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Section 12 -- ECOLOGICAL INFORMATION
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MOBILITY: No Information Available
 BIODEGRADATION: No Information Available
 BIOACCUMULATION: No Information Available

PHYSICAL/CHEMICAL:

HYDROLYSIS: No Information Available
 PHOTOLYSIS: No Information Available

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Section 13 -- DISPOSAL CONSIDERATIONS
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WASTE DISPOSAL METHOD:

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

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Section 14 -- TRANSPORT INFORMATION
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US Ground (DOT) LIMITED QUANTITY

Proper Shipping Name: Consumer Commodity
 NOS Technical Name: N/A
 Hazard Class: ORM-D
 UN Number: N/A

Proper Shipping Name: Paint Related Material
 Hazard Class: Flammable 3
 UN Number: UN1263
 Packing Group: II
 ERG: 128

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Section 15 -- REGULATORY INFORMATION
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U.S. REGULATIONS:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

SARA 313:

CAS No.	CHEMICAL/COMPOUND	% by WT
108-88-3	Toluene	17.6
1330-20-7	Xylene	9.1
100-41-4	Ethylbenzene	2.7
95-63-6	1,2,4-Trimethylbenzene	0.1

CALIFORNIA PROPOSITION 65

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act. WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

TSCA CERTIFICATION:

U.S. TSCA: This product and/or all of its components are listed on the U.S. TSCA Inventory or is otherwise exempt from TSCA Inventory reporting requirements.

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Section 16 -- OTHER INFORMATION
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DISCLAIMER:

Do not handle until the manufacturer's safety precautions have been read and understood. Regulations require that all employees be trained on Material Safety Data Sheets for all products with which they come in contact. While we believe that the data contained herein is accurate and derived from qualified sources, the data are not be taken as a warranty or representation for which we assume legal responsibility. They are offered solely for your consideration, investigation, and verification. Any use of these data and information must be determined by the user to be in accordance with applicable federal, state, provincial, and local laws and regulations.

MATERIAL SAFETY DATA SHEET

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ENVIRONMENTAL DATA SHEET

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International Epoxies & Sealers
 30241 Commerce Drive
 San Antonio, FL 33576
 1-800-451-7206

All data given below are MAXIMUM THEORETICAL VALUES based on the product AS CURRENTLY FORMULATED. Variations may occur on individual batches due to adjustments made during production.

PRODUCT NUMBER

1512

PRODUCT NAME

INTER-SEAL Joint and Seam Sealer

PRODUCT WEIGHT

10.552 lb/gal

SPECIFIC GRAVITY

1.260

FLASH POINT

0 - 662 F

VOLATILE INGREDIENTS

NAME	CAS No.	CERC.	SARA 313 TC	HAPS 112	PCT by Wt	PCT by Vol
Toluene	108-88-3		X	X	17.6	25.9
Xylene	1330-20-7	X	X	X	9.1	13.2
Ethylbenzene	100-41-4	X	X	X	2.7	3.9
1,2,4-Trimethylbenzene	95-63-6		X		0.1	0.2

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VOLATILE ORGANIC COMPOUNDS

A. Coating Density	10.55 lb/gal	1265 g/l
B. Total Volatiles	29.8 % by wt	43.7 % by vol
Exempt Volatiles	0.0 % by wt	0.0 % by vol
Water	0.0 % by wt	0.0 % by vol
C. Organic Volatiles	29.8 % by wt	43.7 % by vol
D. Percent Non-Volatile	70.2 % by wt	56.3 % by vol
E. Regulatory VOC	3.14 lb/gal	376 g/l
Actual VOC	3.14 lb/gal	376 g/l
Solids	7.41 lb/gal	888 g/l

WASTE DISPOSAL

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. The addition of reducers or other additives to this product may substantially alter the above data. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.