

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

PRODUCT SEAMFIL 901 and all colors		February 2003	
MANUFACTURER Kampel Enterprises, Inc.			
ADDRESS 8930 Carlisle Road, Box 157			
CITY, STATE Weillsville, PA			
ZIP 17365-0157		EMERGENCY TELEPHONE 1-800-457-4280	
PROPER SHIPPING NAME Resin Solution	DOT HAZARD CLASS Flammable Liquid - UN 1866	CAS NO.	Mixture
— NFPA / HMIS INFORMATION —			
SHIPPING CLASSIFICATION GROUND ONLY ORM-D	HEALTH 12	FLAMMABILITY 3	
	REACTIVITY 0	PROTECTION G	

SECTION II - HAZARDOUS INGREDIENTS

CAS NO.	HAZARDOUS INGREDIENT	WT. % is less than (Vol)	OSHA PERMISSIBLE EXPOSURE LIMIT (PEL) TIME WEIGHTED AVERAGE (TWA)	ACGIH THRESHOLD LIMIT VALUE (TLV) TIME WEIGHTED AVERAGE	ACGIH THRESHOLD LIMIT VALUE, SHORT TERM EXPOSURE LIMIT (STEL)
67-63-0	Isopropyl Alcohol	10	400 ppm	500 ppm	500 ppm
108-88-3	Toluene	5	200 ppm	50 ppm	200 ppm
1330-20-7	Xylenes	10	100 ppm	100 ppm	150 ppm
67-64-1	Acetone	20	1000 ppm	500 ppm	750 ppm
78-93-3	Methyl Ethyl Ketone	10	200 ppm	200 ppm	300 ppm
141-78-6	Ethyl Acetate 99%	15	400 ppm	400 ppm	not established
100-41-4	Ethyl Benzene	5	100 ppm	100 ppm	125 ppm

SECTION III - PHYSICAL DATA

APPEARANCE, ODOR	Very viscous white or colored liquid with solvent odor				
SPECIFIC GRAVITY @ 60°F	1.10 (Water=1); 8.3#/G	VAPOR PRESSURE	N/Av	FREEZING POINT	N/A
PERCENT VOLATILE (VOC) BY WT	48 (529 g voc/L)	VAPOR DENSITY	>1 (Air=1)	EVAPORATION RATE	Slower than Ether
AUTO IGNITION TEMPERATURE	N/Av	BOILING RANGE @ 760 mmHg	131° - 295° F	MELTING POINT	N/A
SOLUBLE IN WATER	NO	VOCS, lbs / Gal.	4.42	VOLATILE BY VOL	72.1 %
VOLATILE BY WEIGHT	54.4%			VOCS, grams/ltr.	529

SECTION IV - FIRE AND EXPLOSION DATA

FLAMMABLE (Y/N)	Yes	UNDER WHAT CONDITIONS	Oxidizers, sparks, and open flame		
EXPLOSIVE (Y/N)	Yes	UNDER WHAT CONDITIONS	Closed containers exposed to extreme heat, or sparks from welding, static, etc.		
MEANS OF EXTINCTION	NFPA Class B extinguisher (CO ₂ or Foam) for Class 1 B fires		HAZARDOUS PRODUCTS OF COMBUSTION	Carbon Monoxide, Carbon Dioxide	
FLASH POINT AND METHOD	-4°F, Setaflash	UPPER FLAMMABLE LIMIT, IN AIR	12.8% (Vol)	LOWER FLAMMABLE LIMIT, IN AIR	1.0% (Vol)
SPECIAL PROCEDURES	Use bunker gear and breathing apparatus. Eliminate sources of ignition. Using fog nozzles, spray water to protect firefighters, reduce vapor buildup, and cool containers.				

SECTION V - REACTIVITY DATA

CHEMICAL STABILITY	Stable	UNSTABLE UNDER WHAT CONDITIONS?	N/A
INCOMPATIBLE WITH OTHER SUBSTANCES (Y/N)	Yes	INCOMPATIBLE WITH WHICH PRODUCTS?	Strong oxidizers, acids and bases
HAZARDOUS POLYMERIZATION	Will not occur	HAZARDOUS PRODUCTS OF DECOMPOSITION	None

SECTION VI - TOXICOLOGICAL DATA

— NATURE OF HAZARDS DUE TO EXPOSURE —			
EYES	Irritates strongly.	SKIN	Irritates. May cause dermatitis due to drying.
RESPIRATORY	Irritates mucous membranes. Prolonged exposure may cause lung damage.	ORAL	Regurgitation may cause respiratory pneumonia.
OTHER	Acute exposure may cause nervous system depression, producing headache, dizziness, nausea, or loss of consciousness. Prolonged exposure may cause damage to kidneys, lungs, nerves, or liver.		

SECTION VII - HANDLING PRECAUTIONS

— PROTECTIVE EQUIPMENT —

GLOVES	Impervious to organic solvents	RESPIRATOR	OSHA approved. Charcoal filter as minimum	EYEWEAR	Chemical goggles
FOOTWEAR	Impervious boots	CLOTHING	Chemical apron	FACILITY	Explosion proof equipment

CONDITIONS TO AVOID Avoid eye contact. Minimize skin contact, breathing of vapors.

— SPILL PROCEDURES —

SMALL SPILL OR LEAK	Eliminate sources of ignition. Use absorbent material and transfer to DOT container. Contact approved Haz Mat remedial agency for disposal.
LARGE SPILL	Isolate from oxidizers, heat, and sources of ignition (see Protective Equipment). Stop spill, and dike area to prevent spread; pump liquid to salvage tank. Contact local Haz Mat emergency response team.

— STORAGE AND DISPOSAL PROCEDURES —

TRANSFER METHOD	Ground containers and limit freefall distance to prevent static spark. Prevent vapor accumulation; close containers, ventilate area.		
TEMPERATURE RANGE	0°F TO 120°F	WAREHOUSING	Store in structures made for OSHA Class 1 B liquids.
DISPOSAL	Observe Federal, State, and Local regulations. Recycle spent solvent in approved equipment. Contact RCRA approved Hazardous Waste Recycling/Disposal facility.		

SECTION VIII - FIRST AID

EYE CONTACT	Flush with water for 15 minutes. Get medical attention.
SKIN CONTACT	Wipe excess liquid with towel, wash with soap and water. Use moisturizers before and after exposure.
INHALATION	Remove to fresh air. Give oxygen if breathing is difficult, artificial respiration if breathing has stopped.
INGESTION	Call a physician immediately. Do not induce vomiting, as aspiration into lungs may be fatal. Do not give liquids. If vomiting occurs, keep head below hips to prevent aspiration.

SECTION IX - ENVIRONMENTAL PROTECTION

— APPLICABLE LAWS AND GOVERNMENT AGENCIES —

TRANSPORTATION REQUIREMENTS	49 CFR, Parts 100 through 177	EMPLOYEE PROTECTION REQUIREMENTS	29 CFR, Parts 1900 through 1926 (OSHA Hazard Communication Standard)
WORKER AND COMMUNITY RIGHT TO KNOW, & EMERGENCY PLANNING	SARA (Superfund Amendments and Reauthorization Act) Title III	EMERGENCY RELEASE REQUIREMENTS	EPA 40 CFR, Part 117; CERCLA (Federal Superfund), National Response Center, SARA
FEDERAL CLEAN AIR REQUIREMENTS	EPA, Clean Air Act and Amendments of 1990	STATE CLEAN AIR REQUIREMENTS	PA Air Pollution Control Act, or equivalent
FEDERAL HAZARDOUS CHEMICAL REPORTING REQUIREMENTS	CERCLA (Comprehensive Environmental Resource and Conservation Liability Act) for substances above reportable threshold	STATE HAZARDOUS CHEMICAL REPORTING REQUIREMENTS AND EMERGENCY PLANNING	SARA Section 312 Reporting of facility's chemical inventory to State Emergency Response Commission, and Local Emergency Planning Committee

— CERCLA / SARA ENVIRONMENTAL REPORTING —

INGREDIENT	TYPICAL PERCENT (Wt)	VOLATILE ORGANIC COMPOUND (VOC)?	SARA Section 302		SARA Section 313		CERCLA REPORTABLE QUANTITY	CHRONIC?
			REPORTABLE QTY OF EXTREMELY HAZARDOUS SUBSTANCE	THRESHOLD PLANNING QUANTITY	TOXIC CHEMICAL?	CATEGORY FOR TOXIC RELEASE INVENTORY		
Petroleum Solvent	1	Yes	Not EHS	N/A	No	None	N/A	No
Toluene	15	Yes	Not EHS	N/A	Yes	None	1000 lbs	Yes
Xylene	8	Yes	Not EHS	N/A	Yes	None	1000 lbs	No
Acetone	7	Yes	Not EHS	N/A	Yes	None	5000 lbs	No
1-Methoxy-2-Propanol Acetate	3	N/A	Not EHS	N/A	No	None	N/A	No

SARA SECTIONS 311, 312 HAZARD CATEGORY (H-1 = ACUTE HEALTH; H-2 = CHRONIC HEALTH; P-3 = FIRE; P-4 = PRESSURE; P-5 = REACTIVE);

H-1, H-2, P-3

The above information is offered in good faith for usage under typical conditions. Recommendations should be reviewed to determine the applicability of this information in the context of intended usage.