

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

PRODUCT SF-99 SOLVENT		DATE January 2010	
MANUFACTURER Kampel Enterprises, Inc.			
ADDRESS 8930 Carlisle Road, Box 157			
CITY, STATE Wellsville, PA			
ZIP 17365-0157		EMERGENCY TELEPHONE 1-800-457-4280 / 1-352-323-3500	
PROPER SHIPPING NAME Paint Related Material		DOT HAZARD CLASS Flammable Liquid - UN 1263	CAS NO. Mixture
NFPA / HMIS INFORMATION			
PACKING GROUP PGII	HEALTH (HMIS)	1	FLAMMABILITY 3
	ACTIVITY	0	HEALTH (NFPA) 2
		PROTECTION G	

SECTION II - HAZARDOUS INGREDIENTS

CAS NO.	HAZARDOUS INGREDIENT	PERCENT (Vol)	OSHA PERMISSIBLE EXPOSURE LIMIT (PEL) TO, E WEIGHTED AVERAGE (TWA)	ACGIH THRESHOLD LIMIT VALUE (TLV) TIME EIGHTED AVERAGE	ACGIH THRESHOLD LIMIT VALUE, SHORT TERM EXPOSURE LIMIT (STEL)
67-63-0	Isopropanol (Anhydrous)	13-17	400 ppm	400 ppm	500 ppm
108-88-3	Toluene	40-50	200 ppm	50 ppm	150 ppm
78-93-3	Methyl Ethyl Ketone	24-35	200 ppm	200 ppm	300 ppm
108-10-1	Methyl Isobutyl Ketone	5-10	100 ppm	50 ppm	75 ppm

SECTION III - PHYSICAL DATA

APPEARANCE, ODOR Water-white liquid with Ketone odor		
SPECIFIC GRAVITY @ 60° F .835 (water=1); 6.8#/G	VAPOR PRESSURE 37.0 mmHg	FREEZING POINT N/ A
PERCENT VOLATILE (VOC) BY WT 100 (832 g voc/L)	VAPOR DENSITY 2.86 (Air = 1)	EVAPORATION RATE 3.02 (Butyl Acetate=1)
AUTO IGNITION TEMPERATURE 662 ° F Estimated	BOILING POINT @760 mmHg 175 ° F	MELTING POINT -119 ° F Estimated

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABLE (Y/N) Extremely	UNDER WHAT CONDITIONS? Oxidizers, sparks & open flame
EXPLOSIVE (Y/N) Yes	UNDER WHAT CONDITIONS? Closed containers exposed to extreme heat, or sparks from drum metalworking, static from transferal, etc.
MEANS OF EXTINGUISHION NFPA Class B Extinguisher (Co₂ or Foam) for Class 1 B fires	HAZARDOUS PRODUCTS OF COMBUSTION Carbon Monoxide, Carbon Dioxide
FLASHPOINT AND METHOD 28° F (T.C.C.)	UPPER FLAMMABLE LIMIT, IN AIR 12.0 % (Vol)
	LOWER FLAMMABLE LIMIT, IN AIR 1.2 % (Vol)
SPECIAL PROCEDURES Use bunker gear and breathing apparatus. Eliminate sources of ignition. Using fog nozzles, spray water to protect firefighters, reduce vapor build-up, 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 (such as permanganate).
HAZARDOUS POLYMERIZATION Will not occur	HAZARDOUS PRODUCTS OF DECOMPOSITION Carbon Monoxide, Carbon Dioxide from burning

SECTION VI - TOXICOLOGICAL DATA

-NATURE OF HAZARDS DUE TO EXPOSURE-	
EYES Irritates strongly.	SKIN Anesthetic. 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
FOOTWEAR	Impervious boots	CLOTHING	Chemical apron
EYEWEAR			Chemical goggles
FACILITY	Explosion proof equipment		
CONDITIONS TO AVOID	Avoid eye contact. Minimum 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 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 & COMMUNITY RIGHT TO KNOW, AND EMERGENCY PLANNING	SARA (Superfund Amendments and Reauthorization Act) Title III	EMERGENCY RELEASE REQUIREMENTS	EPA 40 CFR, Parts 117-372; CERCLA (Federal Superfund), National Response Center, SARA Sections 304 and 313
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 & Conservation Liability Act) for substances above reportable threshold	STATE HAZARDOUS CHEMICAL REPORTING REQUIREMENTS & 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	CARCINOGEN?
			REPORTABILITY QTY. OF EXTREMELY HAZARDOUS SUBSTANCE	THRESHOLD PLANNING QUANTITY	TOXIC CHEMICAL?	CATEGORY FOR TOXIC RELEASE INVENTORY		
Toluene	47	Yes	Not EHS	N/A	Yes	None	1000 lbs	Yes
Methyl Ethyl Ketone	29	Yes	Not EHS	N/A	Yes	None	5000 lbs	No
Methyl Isobutyl Ketone	5	Yes	Not EHS	N/A	Yes	None	5000 lbs	No
Isopropyl Alcohol	15	Yes	Not EHS	N/A	Yes	None	5000 lbs	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.