

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

PRODUCT FF-99 SOLVENT FOR FLOORFIL		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 Compound, Cleaning, Liquid		DOT HAZARD CLASS Flammable Liquid - UN 1263	CAS NO. Mixture
NFPA / HMIS INFORMATION			
SHIPPING CLASSIFICATION GROUND ONLY ORM-D	HEALTH 2	FLAMMABILITY 3	HEALTH (NFPA) 2
	REACTIVITY 0	PROTECTION 1	

SECTION II - HAZARDOUS INGREDIENTS

CAS NO.	HAZARDOUS INGREDIENT	PERCENT (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)	SKIN DESIGNATION	VAPOR PRESSURE	KNOWN OR SUSPECTED CARCINOGEN	SEC 313
78-93-3	Methyl Ethyl Ketone	20-25	200 ppm	200 ppm	300 ppm	NO	70.0	NO	YES
67-64-1	Acetone	42-50	750 ppm	1000 ppm	1000 ppm	NO	180.0	NO	NO
1330-20-7	Xylenes	25-35	100 ppm	150 ppm	150 ppm	NO	10.0	NO	YES

This product contains one or more materials subject to the reporting requirements of Section 313 of the Emergency Planning and the Community Right-to-Know Acts of 1986 and of 40 CFR 372.

SECTION III - PHYSICAL DATA

APPEARANCE, ODOR Thin clear liquid with a typical solvent odor	
VOLATILE BY WEIGHT 100%	PRODUCT DENSITY 6.8 LBS/GAL (US)
PERCENT VOLATILE BY VOLUME 100% (832 g voc/L)	VAPOR DENSITY Heavier than air
AUTO IGNITION TEMPERATURE 662 ° F Estimated	BOILING RANGE @760 mmHg 131° - 284° F
FREEZING POINT N/ A	
EVAPORATION RATE Slower than ether	
MELTING POINT -119 ° F Estimated	

SECTION IV - REACTIVITY DATA

CHEMICAL STABILITY Stable under normal conditions		CONDITIONS TO AVOID Strong oxidizers, acids and alkalies
INCOMPATIBLE WITH OTHER SUBSTANCES (Y/N?) NO	INCOMPATIBLE WITH WHICH PRODUCTS? None known	HAZARDOUS PRODUCTS OF DECOMPOSITION Thermal decomposition releases Carbon Monoxide and/or Carbon Dioxide
HAZARDOUS POLYMERIZATION Will not occur		HAZARDOUS PRODUCTS OF DECOMPOSITION Carbon Monoxide, Carbon Dioxide from burning

SECTION V - FIRE AND EXPLOSION 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 transferral, etc.	
MEANS OF EXTINCTION Carbon Dioxide or Dry Chemical Foam	HAZARDOUS PRODUCTS OF COMBUSTION Carbon Monoxide, Carbon Dioxide	
FLASH POINT AND METHOD (setaflash closed cup) -4 ° F (T.C.C.)	L.E.L. 1.0% V.E.L. 12.8%	LOWER FLAMMABLE LIMIT, IN AIR 1.2% (Vol)

Water may be used to cool closed containers to prevent pressure build-up and possible auto ignition or explosion when exposed to extreme heat. Remove all non-essential personnel from fire area. Vapor is heavier than air and can travel considerable distances to a source of ignition and flashback.

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 NIOSHA/OSHA approved Charcoal filter as minimum.
FOOTWEAR	Impervious boots	EYEWEAR Chemical goggles
CONDITIONS TO AVOID	Avoid eye contact. Minimize skin contact, breathing of vapors.	CLOTHING Chemical apron
		FACILITY Explosion proof equipment
	OTHER PRECAUTIONS Provide respiratory protection against fumes generated during burning.	SPECIAL PRECAUTIONS Drums should be grounded when being emptied.
-SPILL OR LEAK PROCEDURES-		
IF SPILL OR LEAK OCCURS Avoid breathing solvent vapor. Ensure adequate ventilation. Avoid sparks, flames, and anything else which could cause fire. Eliminate source of spill if you can do so without risk by closing valve, plugging hole, etc. Apply absorbent inert material (sand, dust, vermiculite) to spill. Clean spill with bristle brooms, non-sparking tools, clean dry rags. Protective clothing should be worn.		
-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 - SAFE HANDLING AND 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 into lungs.
OTHER PROTECTIVE EQUIPMENT	Use protective creams where skin contact is likely. Remove and wash contaminated clothing before reuse. Use normal hygienic practices during and after handling this material.
VENTILATION	Sufficient ventilation, in volume and pattern, should be provided to keep air contamination below current applicable OSHA permissible exposure limit or ACGHI's TLV limit. Solvent vapors should be removed from lower levels of work area and ignition sources should be eliminated.

The above information is offered in good faith for usage under typical conditions. Since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability of damages incurred by use of this material. Recommendations should be reviewed to determine the applicability of this information in the context of intended usage. It is the responsibility of the user to comply with all applicable, federal, state and local laws and regulations.