

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

| | | | | | |
|--|------------|---|------------------|---------------------------------|-----------------|
| PRODUCT | | SEAMFIL 901 White and all colors | | 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 | | Resin Solution | DOT HAZARD CLASS | Flammable Liquid - UN 1866 | CAS NO. Mixture |
| NFPA / HMIS INFORMATION | | | | | |
| SHIPPING CLASSIFICATION GROUND ONLY | HEALTH | 2 | FLAMMABILITY | 3 | |
| | REACTIVITY | 0 | PROTECTION | G | |
| ORM-D | | | | | |

SECTION II - HAZARDOUS INGREDIENTS

| CAS NO. | HAZARDOUS INGREDIENT | WT. % is less than (Vol.) | OSHA PERMISSIBLE EXPOSURE LLIMIT (PEL) TO, E WEIGHTED AVERAGE (TWA) | ACGIH THRESHOLD LIMIT VALUE (TLV) TIME EIGHTED AVERAGE |
|-----------|----------------------------------|---------------------------|---|--|
| 108-88-3 | Toluene (Methyl Benzene) | 11 | 100 ppm | 100 ppm |
| 67-64-1 | Acetone (2-Propanone) | 6 | 750 ppm | 750 ppm |
| 78-93-3 | Methyl Ethyl Ketone (2-Butanone) | 13 | 200 ppm | 200 ppm |
| 108-65-6 | 1-Methoxy 2-Propanol Acetate | 5 | N / EST | N / EST |
| 115-86-6 | Triphenyl Phosphate | 6 | 3 mg / m3 | 3 mg / m3 |
| 7732-18-5 | Water | 1 | N / EST | N / EST |

Materials listed for this product are on the TSCA inventory list.

SECTION III - PHYSICAL DATA

| | | | | | |
|------------------------------|----------------------------|--|--------------------|------------------|----------------------------|
| APPEARANCE , ODOR | | Very viscous white or colored liquid with an aromatic odor | | | |
| SPECIFIC GRAVITY @ 60° F | 1.23 (water=1); WPG: 10.26 | VAPOR PRESSURE | (mm/hg): 180 | FREEZING POINT | N/ A |
| PERCENT VOLATILE (VOC) BY WT | 48 (529 g voc/L) | VAPOR DENSITY | > 1 (Air = 1) | EVAPORATION RATE | Slower than –butyl Acetate |
| AUTO IGNITION TEMPERATURE | N/A | BOILING RANGE @760 mmHg | 131° to 473° F | MELTING POINT | N / A |
| SOLUBLE IN WATER | 11.0 % Soluble | VOCS, lbs./Gal. | Minus exempt: 3.52 | VOLATILE BY VOL. | 72.1% |
| VOLATILE BY WEIGHT | 54.5% | | | VOCS, grams/ltr. | 529 g voc / L |

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

| | | | |
|-----------------------|---|-------------------------------|---|
| FLAMMABLE (Y/N) | Yes | UNDER WHAT CONDITIONS? | Oxidizers, sparks & 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 |
| FLASHPOINT AND METHOD | 1 ° F | 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 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, 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. |
| RESPIRATORY | Irritates mucous membranes. Prolonged exposure may cause lung damage. |
| 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 |
| 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 Emergency 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 & COMMUNITY RIGHT TO KNOW, AND 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 & 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 | | |
| 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.

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) | FLAMMABILITY | HEALTH (NFPA) |
| | 1 | 3 | 2 |
| | ACTIVITY | PROTECTION | |
| | 0 | 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 (Co ₂ 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 | |
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| EYE CONTACT | Flush with water for 15 minutes. Get medical attention. |
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| 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. |

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| FEDERAL CLEAN AIR REQUIREMENTS | EPA, Clean Air Act and Amendments of 1990 | STATE CLEAN AIR REQUIREMENTS | PA Air Pollution Control Act, or equivalent |
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|--|-----------------------|----------------------------------|---|-----------------------------|------------------|--------------------------------------|----------------------------|-------------|
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| | | | 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 | | | | |

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