

**Material Safety Data Sheet
(881 SOLVENT / THINNER)**

JMN Specialties, Inc. 1100 Victory Drive Westwego, LA 70094 (504) 341-3749 ISO 9001 Registered	HMIS HEALTH:2 HMIS FLAMMABILITY:3 HMIS REACTIVITY:0 PERSONAL PROTECTION:H EMERGENCY NUMBER:800-255-3924
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SECTION 1 – IDENTIFICATION OF CHEMICAL PRODUCT

PRODUCT NAME:..... 881 SOLVENT / THINNER
EFFECTIVE DATE:..... September 10, 2007
CHEMICAL FAMILY:..... Hydrocarbon
FORMULA: Proprietary
CAS NUMBER:..... Blend

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	PERCENT	CAS NUMBER	PEL
2-PROPANOL (VOC Amount .63 ppg)	< 15	67-63-0	OSHA TWA 400 ppm ACGIH TWA 400 ppm ACGIH STEL 500 ppm
TOLUENE (VOC Amount 4.35 ppg)	< 65	108-88-3	OSHA TWA 200 ppm OSHA Ceiling 300 ppm ACGIH TWA 100 ppm ACGIH STEL 150 ppm
DIMETHYL KETONE (VOC Amount 0 Exempt)	< 35	67-64-1	OSHA TWA 1000 ppm, STEL 1000 ppm ACGIH TWA 750 ppm, STEL 1000 ppm

The criteria for listing components in the composition section are as follows: Carcinogens are listed when present at 0.1% or greater; components which are otherwise hazardous according to OSHA are listed when present at 1.0% or greater. Non-hazardous components may be listed at 3.0% or greater if not proprietary in nature. This is not intended to be complete compositional disclosure. Refer to section 14 for applicable states right to know and other regulatory information.

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

APPEARANCE / ODOR:..... Clear Liquid / Aromatic Odor

SHORT TERM EXPOSURE: **GENERAL:** Solvent vapors may be irritating to skin and eyes.
INHALATION: High concentrations of vapor may cause irritation of the respiratory tract, experienced as nasal discomfort and discharge, possibly with chest pain and coughing. **NOTICE:** Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal. **EYES:** May cause mild to severe irritation experienced as discomfort or pain, excess blinking and tear production, possibly with marked redness and swelling of the conjunctiva. **SKIN:**

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Brief contact may cause slight irritation with itching and local redness. Prolonged contact may cause more severe irritation, with discomfort or pain. **SWALLOWING:** May cause headache, dizziness, nausea, vomiting, diarrhea, coma, and death.

OSHA REGULATED: No

LISTED CARCINOGEN: **NTP:** Yes **IARC MONOGRAPHS:** Possible- Evidence Inadequate

POTENTIAL HEALTH EFFECTS

INHALATION: Irritant Narcotic

INGESTION: Irritant

SKIN (DERMAL): Irritant

OVER EXPOSURE EFFECTS: **Inhalation:** Toxic and harmful if inhaled. Breathing of high vapor concentrations may cause central nervous system (CNS) depression resulting in dizziness, light-headedness, headache, nausea and loss of coordination. Continued inhalation may result in unconsciousness and death. Vapors expected to be slightly irritating. **Eye Contact:** May cause temporary discomfort or irritation to the eye. **Skin Contact:** May be slightly irritating to the skin. Prolonged or repeated skin contact can cause defatting and drying of the skin which may result in a burning sensation and a dried, cracked appearance. **Ingestion:** Liquid can directly enter the lungs (aspiration) when swallowed or vomited. Serious lung damage and possibly fatal chemical pneumonia (chemical pneumonitis) can develop if this occurs.

SECTION 4 – FIRST AID MEASURES

FIRST AID:

SKIN CONTACT: Remove contaminated clothing and shoes immediately. Wash affected area with soap or mild detergent and large amounts of water until no evidence of chemical remains (at least 15-20 minutes). Get medical attention immediately. **EYE CONTACT:** Flush eyes immediately with large amounts of water or normal saline solution, occasionally lifting upper and lower lids until no evidence of chemical remains (at least 15-20 minutes). Get medical attention immediately. **INGESTION:** Give large amounts of fresh water or milk immediately. Do not give anything by mouth if person is unconscious or otherwise unable to swallow. If vomiting occurs, keep head below hips to prevent aspiration. Treat symptomatically and supportively. Seek medical attention immediately. **INHALATION:** Remove from exposure area to fresh air immediately. If breathing has stopped, perform artificial resuscitation. Keep person warm and at rest. Treat symptomatically and supportively. Seek medical attention immediately. Qualified medical personnel should consider administering oxygen.

SECTION 5 - FIRE FIGHTING MEASURES

FLASHPOINT:..... 14°F - T.C.C.

EXTINGUISHING MEDIA: NFPA Class B (Foam or Carbon Dioxide CO₂. Water fog or spray may be ineffective but can protect fire fighters and cool closed containers. Use fog nozzles if water is used.

DECOMPOSITION

PRODUCTS:..... From fire; Smoke, Carbon dioxide, & Carbon Monoxide

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LOWER FLAME LIMIT:..... 1.0

HIGHER FLAME LIMIT:..... 36.0

UNUSUAL FIRE AND

EXPLOSION HAZARDS:..... Containers may explode from internal pressure if confined to fire. Cool with water. Keep unnecessary people away. Product will float on water.

FIRE FIGHTING

EQUIPMENT:..... Fire fighters and others exposed to products of combustion should wear self-contained breathing apparatus. Equipment should be thoroughly decontaminated after use.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

CHEMTEL EMERGENCY

NUMBER (24 Hour): 1-800-255-3924

SPILL: Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer! If a leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from exposures.

RCRA STATUS: 1,667 lbs. based on Toluene in blend

SECTION 7 – HANDLING AND STORAGE

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES. THESE PRACTICES INCLUDE AVOIDING UNNECESSARY EXPOSURE AND PROMPT REMOVAL OF MATERIAL FROM EYES, SKIN, AND CLOTHING.

HANDLING AND STORAGE: .. Store in a cool place away from ignition sources. Store away from oxidizers or materials bearing a yellow "DOT" label. Hydrocarbons are basically non-conductors of electricity and can become electrostatically charged during mixing, filtering, pumping at high flow rates or loading and transfer operations. If this charge reaches a sufficiently high level, sparks can form that may ignite the vapors of flammable liquids. Sudden release of hot organic chemical vapors or mists from process equipment operating under elevated temperature and pressure, or sudden ingress of air into vacuum equipment may result in ignitions without the presence of obvious ignition sources. Nozzle spouts must be kept in contact with the containers or tank during the entire filling operation.

PRECAUTIONARY

MEASURES: Keep away from heat, sparks and flame. Use with adequate ventilation. Do not breathe vapors. Do not breathe spray mist. Use respiratory devices and other personal protective equipment required by OSHA 29 CFR 1910. Do not get in eyes, on skin, or on clothing. Ground containers when transferring. Do not flame cut, saw, drill, braze, or weld around this product.

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SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment.

EYE PROTECTION:..... Chemical safety goggles meeting the specifications of OSHA 29CFR 1910.133 / ANSI Standard Z87.1 should be worn whenever there is the possibility of splashing or other contact with the eyes. Wear safety glasses meeting the specifications of OSHA 29CFR 1910.133 / ANSI Standard Z87.1 where no contact with the eye is anticipated.

RESPIRATORY

PROTECTION:..... NIOSH approved solvent vapor / mist mask within use limits, and ventilate to keep vapors of this material below 45 ppm. If over TLV, in accordance with 29 CFR 1910.134, use NIOSH approved positive-pressure self-contained breathing apparatus. Consult Safety Equipment Supplier. Use explosion proof equipment.

Use NIOSH / MSHA approved respiratory protection equipment when airborne exposure limits are exceeded (see below). Consult the respirator manufacturer to determine appropriate type of equipment for a given application. Observe respirator use limitations specified by NIOSH / MSHA or the manufacturer. Respiratory protection programs must comply with 29 CFR 1910.134.
WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

PROTECTIVE GLOVES:..... Wear impervious gloves

VENTILATION: A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

MECHANICAL EXHAUST:..... Desired in closed places

LOCAL EXHAUST:..... Recommended

VENTILATION NOTES: Provide natural or mechanical ventilation to control exposure levels below Airborne exposure limits (see below). The use of local mechanical exhaust ventilation is preferred at sources of air contamination such as open process equipment. Consult NFPA Standard 91 for design of exhaust systems.

THRESHOLD LIMIT VALUE: . OSHA TWA 200 ppm OSHA Ceiling 300 ppm ACGIH TWA 100 ppm ACGIH STEL 150 ppm based on Toluene in blend

PROTECTIVE EQUIPMENT:... HMIS PERSONAL PROTECTION: H: Splash Goggles, Gloves, Apron, Vapor Respirator

The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE / ODOR: Clear Liquid / Aromatic Odor

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BOILING POINT: 138 - 229°F
FREEZING POINT: < 0°F
VAPOR PRESSURE:..... For lowest component: 84.40 mm Hg @ 68°F
VAPOR DENSITY (AIR=1): 2.6
SPECIFIC GRAVITY: 0.83 - 0.85
pH: NA
SOLUBILITY IN WATER: Approximately 10% Dispersible

SECTION 10 – STABILITY AND REACTIVITY

STABILITY:..... Stable
HAZARDOUS
POLYMERIZATION:..... Will Not Occur
POLYMERIZATION AVOID:... None
INCOMPATIBILITY:..... Heat, flame, strong oxidizers, nitric and sulfuric acids, chlorine, nitrogen tetraoxide; will attack some forms of plastics, rubber, coatings.
CONDITIONS TO AVOID:..... Heat, Sparks, and Open Flames

SECTION 11 – TOXICOLOGICAL INFORMATION

EYE EFFECTS:

The eye irritation hazard is based on data from information supplied by raw material(s) supplier(s).

SKIN EFFECTS:

The skin irritation hazard is based on data from information supplied by raw material(s) supplier(s).

ACUTE ORAL EFFECTS:

The acute oral toxicity is based on data from information supplied by raw material(s) supplier(s).

ACUTE INHALATION EFFECTS:

The acute respiratory toxicity is based on data from information supplied by raw material(s) supplier(s).

Cancer, Reproductive and other Chronic Hazards: Leukemia has been reported in humans from Benzene. This product contains less than 186 ppm of Benzene. This is not considered hazardous in such low concentrations. **Toxicological Data for Toluene:** Oral rat LD50: 636 mg/kg; skin rabbit LD50: 14100 uL/kg; inhalation rat LC50: 49 gm/m³/4H; Irritation data: skin rabbit, 500 mg, Moderate; eye rabbit, 2 mg/24H, Severe. Investigated as a tumorigen, mutagen, reproductive effector. **Reproductive Toxicity:** Has shown some evidence of reproductive effects in laboratory animals.

SECTION 12 – ECOLOGICAL INFORMATION

Data from laboratory studies and from scientific literature is noted below if available.

Environmental Fate: This product contains Toluene. When released into the soil, this material may evaporate to a moderate extent. When released into the soil, this material is expected to leach into groundwater. When released into the soil, this material may biodegrade to a moderate extent. When released into water, this material may evaporate to a moderate extent. When released into water, this material may biodegrade to a moderate extent. When released into the air, this material may be moderately degraded by reaction with photochemically produced hydroxyl radicals. When released into the air, this material is expected to have a half-life of less than 1 day. This material is not expected to significantly bioaccumulate. This material has a log octanol-water partition coefficient of less than 3.0. Bioconcentration factor = 13.2 (eels). **Environmental Toxicity:** This material is expected to be toxic to aquatic life. The LC50/96-hour values for fish are between 10 and 100 mg/l. **NON-EXEMPT VOC = 4.98 ppg.**

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SECTION 13 DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Treatment, storage, transportation and disposal must be in accordance with Federal, State/Provincial and Local Regulations. Regulations may vary in different locations. Characterization and compliance with applicable laws are the responsibility solely of the generator. Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 14- TRANSPORTATION INFORMATION

The data provided in this section is for information only. The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate regulations to properly classify your shipment for transportation.

PROPER SHIPPING NAME:..... Flammable Liquid, Paint Related Material, 3, UN1263, PG II. Guide 127.

REPORTABLE QUANTITY:..... 1,667 lbs. based on Toluene in blend

HAZARD CLASS AND LABEL: 3, FLAMMABLE LIQUID

UN NUMBER: 1263

NA NUMBER: None

PACKAGING SIZE:..... Drum & Bulk

SECTION 15 - REGULATORY INFORMATION

SARA 311 CATEGORIES:

EPA ACUTE:..... Yes

EPA CHRONIC: Yes

EPA IGNITABILITY: Yes

EPA REACTIVITY: No

EPA SUDDEN RELEASE

OF PRESSURE: No

CERCLA RQ VALUE:..... 1,667 lbs. based on Toluene in blend

SARA TPQ: None

SARA RQ:..... 1,667 lbs. based on Toluene in blend

EPA HAZARD WASTE #: D001 - Characteristics of Ignitability U220 - Toluene U002 - Dimethyl Ketone

CLEAN AIR: CAA Section 111

CLEAN WATER:..... CWA Sections 304, 307, 311

SARA SECTION 313:..... Yes - Toluene, Acetone

NFPA HEALTH: 2

NFPA FLAMMABILITY:..... 3

NFPA REACTIVITY: 0

DEA Chemical Trafficking Act:.. U.S. Drug Enforcement Administration Chemical Diversion and Trafficking Act: Sales, receipts, movements or unexplained losses of

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this chemical may require recordkeeping and reporting in accordance with 21 CFR 1310/1313.

TSCA STATUS: All ingredients in this product are on the TSCA Inventory List.

SECTION 16 - ADDITIONAL INFORMATION
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FOOT NOTES: ND - No Data Available NA - Not Applicable < = Less Than > = Greater Than

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Company Health and Risk Assessment Unit, PO Box 1519, Gretna, LA 70054-1519.

REVISION STATEMENT: Changes have been made throughout this Material Safety Data Sheet. Please read the entire document.

DISCLAIMER:

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