

Safety Data Sheet

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1. Identification

Product identifier MarSolv 898

Other means of identification

Compound number 898C

Synonyms Solvent

Recommended use Vinyl upholstery cleaner

Recommended restrictions Use in accordance with manufacturer's recommendations.

Manufacturer/Supplier/Distributor information

Company name Marlen Textiles
Address 500 Orchard Street
New Haven, Missouri 63068
Telephone (573)-237-4444 (Monday through Friday, 8AM to 4PM CST)
Website www.marlentextiles.com
Emergency number Chemtrec (800) 262-8200

2. Hazard(s) identification

Physical hazards This material is hazardous according to regulatory guidelines.

OSHA defined hazards Flammable liquid Category 3
Aspiration toxicant Category 1

Label elements



Signal word Danger

Hazard Statements H226 Flammable liquid and vapor.
H304 May be fatal if swallowed and enters airways.

Precautionary statements

Prevention	P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical, ventilation, and lighting equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P280 Wear protective gloves and eye/face protection.
Response	P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P331 Do NOT induce vomiting. P332 + P313 If skin irritation occurs: Get medical advice/attention. P370 + P378 In case of fire: Use water fog, foam, dry chemical or carbon dioxide (CO ₂) to extinguish.
Storage	P403 +P235 Store in a well-ventilated place. Keep cool. P405 Store locked up.
Disposal	P501 Dispose of contents/container in accordance with local regulations.

Hazard(s) not otherwise Classified (HNOC) None known.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Naphtha (Petroleum), Hydrotreated Heavy	64742-48-9	50
1,2-Benzenedicarboxylic Acid, DI-C8-10-Branched Alkyl Esters, C9-Rich	68515-48-0	45-47.5
1,2-Benzenedicarboxylic Acid, Dihexyl Ester	84-75-3	2.5-5.0

Composition comments	When used for its intended purpose, this material is classified as hazardous under Federal OSHA 29 CFR 1910.1200 regulations. This SDS contains valuable information critical to the safe handling and proper use of this product. The SDS should be retained and available for employees and other users of this product.
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4. First-aid measures

Inhalation	Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.
Skin contact	Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.
Eye contact	Flush thoroughly with water. If irritation persists, seek medical attention.
Ingestion	Seek immediate medical attention. Do not induce vomiting.
Most important symptoms/effects, acute and delayed	If ingested, material may be aspirated into the lungs and cause pneumonitis. Treat appropriately.

Indication of immediate medical attention and special treatment needed	Treat symptomatically.
General information	Ensure that medical personnel are aware of the material(s) involved.

5. Fire-fighting measures

Suitable extinguishing media	Use water fog, foam, dry chemical or carbon dioxide (CO ₂) to extinguish flames.
Unsuitable extinguishing media	High volume water jet or straight streams of water.
Hazardous combustion products	Incomplete combustion products, oxides of carbon, smoke, fume.
Specific hazards arising from the chemical	Vapors are flammable and heavier than air. Vapors may travel across the ground and reach remote ignition sources causing a flashback fire danger.
Special protective equipment and precautions for firefighters	Fire fighters and others exposed to products of combustion should wear full fire turn out gear and self-contained breathing apparatus (pressure demand/NIOSH approved or equivalent). Exposure to combustion products may be hazard to health.
Fire-fighting equipment/instructions	Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Firefighters should use standard equipment and enclosed spaces, self-contained breathing apparatus (SCBA).
Specific methods	Water can be used to cool fire exposed containers.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Observe all personal protection equipment recommendations in Section 8. Remove all sources of ignition.
Methods and materials for containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling product must be grounded. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Recover by pumping or with suitable absorbent.
Environmental precautions	Avoid discharge to drains, sewers, and other water systems by diking or other appropriate containment. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

7. Handling and storage

Precautions for safe handling	Handle in accordance with good industrial hygiene and safety practices. Use with adequate ventilation. Avoid eye exposure. Avoid skin contact. Keep container closed and tightly sealed. Take care to prevent spills, waste and minimize release to the environment. Material can accumulate static charges which may cause an electrical spark. Use proper bonding and/or grounding procedures. Open slowly to control possible pressure release.
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Conditions for safe storage, including any incompatibilities Store container closed and tightly sealed in a well ventilated area. Storage containers should be grounded and bonded. Fixed storage containers, transfer containers and associated equipment should be grounded and bonded to prevent accumulation of static charge.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Naphtha (Petroleum), Hydrotreated Heavy (CAS 64742-48-9)	TWA	400 mg/m ³ (100 ppm)

US. ACGIH Threshold Limit Values

Components	Type	Value
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US. NIOSH: Pocket Guide to Chemical Hazards Recommended Exposure Limits

Components	Type	Value
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Biological occupational exposure limit values

Not classified based on available information.

Appropriate engineering controls Observe occupational exposure limits and minimize the risk of exposure. Explosion proof ventilation is recommended for use indoors, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face protection Use approved safety glasses as a minimum. Safety glasses with side shields are recommended.

Skin protection

Hand Use good industrial hygiene practices to minimize skin contact. For prolonged or repeated skin contact use chemical resistant gloves.

Other Appropriate work clothing is recommended.

Respiratory protection If engineering controls do not maintain airborne concentrations below recommended exposure limits or to an acceptable level an approved respirator must be worn. Follow OSHA respirator protection program requirements (OSHA 1910.134) for all respirator usage. Use a NIOSH/MSHA approved air purifying respirator as needed to control exposure.

General hygiene Observe good personal hygiene measures, such as washing after handling chemicals and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipment separately from regular wash.

General information

These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions. For further information regarding aerosol inhalation toxicity, contact Marlen Textiles customer service.

9. Physical and chemical properties**Appearance**

Physical state	Liquid
Color	Clear
Odor	Mild odor
Odor threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	350°F - 415°F
Flash point	142°F
Evaporation Rate	Slower than ether
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	
Flammability limit – lower (%)	No data available
Flammability limit – upper (%)	No data available
Explosive limit – lower (%)	No data available
Explosive limit – upper (%)	No data available
Vapor pressure	No data available
Vapor density	Heavier than air
Relative density	No data available
Solubility(ies)	Insoluble in water
Partition coefficient (n-octanol/water)	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	75cps at 12rpm to water thin
Other information	
Specific Gravity	0.88

10. Stability and reactivity

Reactivity	This product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	Compound is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur at ambient temperatures.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources.
Incompatible materials	Oxidizing agents, nitric acid, and strong acids.

Hazardous decomposition products None with proper storage and handling.

11. Toxicological information

Information on likely routes of exposure

Inhalation	(Rat) 8 hour(s) LC50 > 5000 mg/m ³ (Vapor). Minimally toxic. Based on test data for structurally similar materials.
Ingestion	(Rat) LD50 > 5000 mg/kg. Minimally toxic. Based on test data for structurally similar materials.
Skin contact	(Rabbit) LD50 > 5000 mg/kg. Minimally toxic. Mild skin irritant. Based on test data for structurally similar materials.
Eye contact	May cause mild, short-lasting discomfort to the eyes. Based on test data for structurally similar materials.

Symptoms related to the physical, chemical and toxicological characteristics Vapor/aerosol concentrations above recommended exposure levels are irritating to the eyes and respiratory tract. May cause headaches, dizziness, anesthesia, drowsiness, unconsciousness and other central nervous system effects including death. Prolonged and/or repeated skin contact with low viscosity materials may defat the skin resulting in possible irritation and dermatitis. Small amount of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.

Toxicological effects

Acute toxicity	Not classified based on available information.
Acute oral toxicity	Not classified based on available information.
Acute inhalation toxicity	Negligible hazard at ambient/normal handling temperatures.
Skin corrosion/irritant	Mildly irritation to skin with prolonged exposure. Based on test data for structurally similar materials.
Serious eye damage/eye irritant	May cause mild, short-lasting discomfort to eyes. Based on test data for structurally similar materials.
Respiratory sensitization	Based on available data a sensitization reaction is not expected from this product.
Skin sensitization	Based on available data a clinically relevant skin irritation hazard is not expected

Germ cell mutagenicity Based on known data a significant mutagenic potential may be excluded.

Germ cell mutagenicity – assessment Not expected to be a germ cell mutagen. Based on test data for structurally similar materials.

Carcinogenicity This product is not considered to be a carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity No ingredient of this product preset at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH No ingredient of this product preset at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH.

OSHA No ingredient of this product preset at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.

NTP Report on Carcinogens	No ingredient of this product preset at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.
Reproductive toxicity	Not expected to be a reproductive toxicant. Based on test data for structurally similar materials.
Effects on fertility	No data available
Effects on fetal development	No data available
Specific target organ toxicity - single exposure	Not expected to cause organ damage from a single exposure.
Specific target organ toxicity - repeated exposure	Not expected to cause organ damage from prolonged or repeated exposure.
Aspiration hazard	May be fatal if swallowed and enters airways. Based on physico-chemical properties of the material.

12. Ecological information

Ecotoxicity

Toxicity to fish (Chronic toxicity)	No adverse effects expected.
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	No adverse effects expected.
Persistence, degradability and bioaccumulative potential	Readily biodegradable in water.
Mobility in soil	Highly volatile, will partition rapidly to air. Not expected to partition to sediment and wastewater solids.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, global warming potential) are expected from this product.

13. Disposal considerations

Disposal instructions	Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products.). Potential RCRA characteristics: IGNITABILITY
Contaminated packaging	Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death.

14. Transport information

International regulation

UNRTDG

Proper Shipping Name: PETROLEUM DISTILLATES, N.O.S.

Hazard Class & Division: 3

UN Number: 1268

Packing Group: III

IATA-DGR

Proper Shipping Name: PETROLEUM DISTILLATES, N.O.S.

Hazard Class & Division: 3

UN Number: 1268

Packing Group: III

Label(s) / Mark(s): 3

Transport Document Name: UN1268, PETROLEUM DISTILLATES, N.O.S., 3, PG III

IMDG-Code

Proper Shipping Name: PETROLEUM DISTILLATES, N.O.S.

Hazard Class & Division: 3

EMS Number: F-E, S-E

UN Number: 1268

Packing Group: III

Marine Pollutant: No

Label(s): 3

Transport Document Name: UN1268, PETROLEUM DISTILLATES, N.O.S., 3, PG III, (54°C c.c.)

Domestic regulation

49 CFR

Proper Shipping Name: PETROLEUM DISTILLATES, N.O.S.

Hazard Class & Division: COMBUSTIBLE LIQUID

ID Number: 1268

Packing Group: III

ERG Number: 128

Label(s): NONE

Transport Document Name: UN1268, PETROLEUM DISTILLATES, N.O.S., COMBUSTIBLE LIQUID, PG III

The flash point of this material is greater than 100°F. Regulatory classification of this material varies. DOT: Flammable liquid or combustible liquid. OSHA: Combustible liquid. IATA/IMO: Flammable liquid. This material is not regulated under 49 CFR in a container of 119 gallon capacity or less when transported solely by land, as long as the material is not a hazardous waste, a marine pollutant, or specifically listed as a hazardous substance.

15. Regulatory information

US State regulations

California Proposition 65

This product does not contain chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Prop 65) as being known to cause cancer, birth defects or other reproductive harm.

16. Other information

Latest revision(s)

Date of revision 03.27.2018

Further information

NFPA



HMIS



0 = not significant, 1 = slight
2 = moderate, 3 = high
4 = extreme, * = chronic

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