



Material Safety Data Sheet

NFPA	Revision Date	Protective Clothing
	09-26-89; 09-08-94; 09-14-94; 09-19-2000	

Section I. Chemical Product and Company Identification

Common Name/ Trade Name	Barsol D-535	Code	74010330
Supplier	Barton Solvents, Inc. 1920 N.E. Broadway, P.O. Box 221 Des Moines, IA 50301	CAS#	Mixture
Synonym	Not available.	In case of Emergency	CHEMTREC (800) 424-9300
Chemical Name	Not applicable.		
Chemical Family	(Aliphatic.)		
Chemical Formula	Not applicable.		
Manufacturer	Barton Solvents, Inc.	Material Uses	Not available.

Section II. First Aid Measures

Eye Contact	Check for and remove any contact lenses. DO NOT use an eye ointment. Seek medical attention. Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.
Skin Contact	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
Hazardous Skin Contact	No additional information.
Inhalation	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Hazardous Inhalation	Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.
Ingestion	DO NOT induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
Hazardous Ingestion	No additional information.

Section III. Composition and Information on Ingredients

Name	CAS #	% by Volume	TLV/PEL	LC ₅₀ /LD ₅₀
Medium Aliphatic Solvent Naphtha (M)	64742-88-7	>9	TWA: 100 (ppm) from ACGIH (TLV) TWA: 100 (ppm) from OSHA (PEL)	Not available.
Light Aliphatic Solvent Naphtha (V)	8032-32-4	>9	TWA: 300 (ppm) from ACGIH (TLV) TWA: 300 (ppm) from OSHA (PEL)	Not available.
Xylenes (mixed)	1330-20-7	1.92		Not available.

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Ethyl Benzene	100-41-4	0.48	TWA: 100 (ppm) from ACGIH (TLV) TWA: 100 (ppm) from OSHA (PEL) TWA: 100 (ppm) from ACGIH (TLV) TWA: 100 (ppm) from OSHA (PEL)	Not available.
Toluene	108-88-3	0.4	TWA: 50 (ppm) from ACGIH (TLV) TWA: 200 (ppm) from OSHA (PEL)	Not available.
1,2,4-Trimethylbenzene	95-63-6	0.4	TWA: 25 (ppm) from ACGIH (TLV) TWA: 25 (ppm) from OSHA (PEL)	Not available.

Section IV. Hazards Identification

Potential Acute Health Effects	Hazardous in case of eye contact (irritant). Slightly hazardous in case of skin contact (irritant, sensitizer, permeator), of ingestion, of inhalation.
Potential Chronic Health Effects	<p>CARCINOGENIC EFFECTS: Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC [Medium Aliphatic Solvent Naphtha (M)]. Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC [Light Aliphatic Solvent Naphtha (V)]. Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC [Xylenes (mixed)]. Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC [Toluene]. Classified 2B Carcinogen (Possible carcinogen for human.) by IARC [Ethyl Benzene].</p> <p>MUTAGENIC EFFECTS: Not available.</p> <p>TERATOGENIC EFFECTS: Not available.</p> <p>DEVELOPMENTAL TOXICITY: Not available.</p> <p>There is no known effect from chronic exposure to this product. Repeated or prolonged exposure is not known to aggravate medical condition.</p>

Section V. Fire and Explosion Data

Flammability of the Product	Flammable.
Auto-Ignition Temperature	The lowest known value is 464°C (867.2°F) (Xylenes (mixed)).
Flash Points	The lowest known value is CLOSED CUP: 12.222°C (54°F). (Tagliabue.). (Light Aliphatic Solvent Naphtha (V))
Flammable Limits	The greatest known range is LOWER: 1.1% UPPER: 7% (Xylenes (mixed))
Products of Combustion	These products are carbon oxides (CO, CO ₂).
Fire Hazards in Presence of Various Substances	Highly flammable in presence of open flames and sparks, of heat, of combustible materials. Flammable in presence of oxidizing materials, of reducing materials. Non-flammable in presence of moisture.
Fire Fighting Media and Instructions	Flammable liquid, insoluble in water. SMALL FIRE: Use DRY chemicals, CO ₂ , alcohol foam or water spray. LARGE FIRE: Use water spray or fog.
Special Remarks on Fire Hazards	Vapor may travel considerable distance to source of ignition and flash back. (Xylenes (mixed))
Special Remarks on Explosion Hazards	No additional remark.

Section VI. Accidental Release Measures

Small Spill	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Large Spill	Flammable liquid, insoluble in water. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. DO NOT get water inside container. DO NOT touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all sources of ignition. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section VII. Handling and Storage

Precautions	Do not breathe gas, fumes, vapor or spray. Avoid contact with eyes. Wear suitable protective clothing. If you feel unwell, seek medical attention and show the label when possible. Keep away from incompatibles such as oxidizing agents, reducing agents, organic materials, metals, alkalis.
Storage	No specific storage is required. Use shelves or cabinets sturdy enough to bear the weight of the chemicals. Be sure that it is not necessary to strain to reach materials, and that shelves are not overloaded.

Section VIII. Exposure Controls/Personal Protection

Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Personal Protection	Splash goggles. Lab coat. Gloves (impervious).
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Section IX. Physical and Chemical Properties

Physical state and appearance	Liquid.	Odor	Aromatic.
Molecular Weight	Not applicable.	Taste	Not available.
pH (1% soln/water)	Not applicable.	Color	Clear.
Boiling Point	The lowest known value is 121.11°C (250°F) (Light Aliphatic Solvent Naphtha (V)). Weighted average: 145.08°C (293.1°F)		
Melting Point	Not available.		
Critical Temperature	Not available.		
Specific Gravity	Weighted average: 0.78 (Water = 1)		
Vapor Pressure	The highest known value is 6 mm of Hg (@ 20°C) (Xylenes (mixed)). Weighted average: 4.78 mm of Hg (@ 20°C)		
Vapor Density	The highest known value is 4.8 (Air = 1) (Medium Aliphatic Solvent Naphtha (M)). Weighted average: 4.52 (Air = 1)		
Volatility	100% (v/v).		
Odor Threshold	Not available.		
Evaporation rate	The highest known value is 1 (Light Aliphatic Solvent Naphtha (V)). Weighted average: 0.67 compared to Butyl acetate.		
Viscosity	Not available.		
Solubility	Easily soluble in methanol, diethyl ether. Soluble in acetone. Partially soluble in n-octanol. Insoluble in cold water, hot water.		

Section X. Stability and Reactivity Data

Stability	The product is stable.
Instability Temperature	Not available.
Conditions of Instability	No additional remark.
Incompatibility with various substances	Highly reactive with oxidizing agents. Reactive with reducing agents, organic materials, metals, alkalis. Slightly reactive to reactive with acids. Non-reactive with moisture.
Corrosivity	Non-corrosive in presence of glass.
Special Remarks on Reactivity	No additional remark.
Special Remarks on Corrosivity	No additional remark.

Section XI. Toxicological Information

Routes of Entry	Eye contact. Ingestion. Inhalation.
Toxicity to Animals	LD50: Not available. LC50: Not available.
Chronic Effects on Humans	CARCINOGENIC EFFECTS: Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC [Medium Aliphatic Solvent Naphtha (M)]. Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC [Light Aliphatic Solvent Naphtha (V)]. Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC [Xylenes (mixed)]. Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC [Toluene]. Classified 2B Carcinogen (Possible carcinogen for human.) by IARC [Ethyl Benzene].
Other Toxic Effects on Humans	Hazardous in case of eye contact (irritant). Slightly hazardous in case of skin contact (irritant, sensitizer, permeator), of ingestion, of inhalation.
Special Remarks on Toxicity to Animals	No additional remark.
Special Remarks on Chronic Effects on Humans	Narcotic effect; may cause nervous system disturbances. (Xylenes (mixed))
Special Remarks on Other Toxic Effects on Humans	Material is irritating to mucous membranes and upper respiratory tract. (Xylenes (mixed))

Section XII. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	The product itself and its products of degradation are not toxic.
Special Remarks on the Products of Biodegradation	No additional remark.

Section XIII. Disposal Considerations

Waste Disposal Recycle, if possible. Consult your local or regional authorities.

Section XIV. Transport Information

DOT Classification DOT CLASS 3: Flammable liquid.

PIN Shipping name: Paint Related Material, 3, UNNA: UN1263, PG II

Special Provisions for Transport No additional remark.

DOT (Pictograms)

**Section XV. Other Regulatory Information and Pictograms**

Federal and State Regulations SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 313 toxic chemical notification and release reporting: No products were found.
CERCLA hazardous substances: No products were found.

All components of this product are listed on the TSCA inventory.

Other Classifications WHMIS (Canada) WHMIS CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).

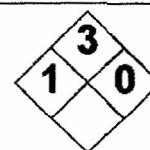
DSCL (EEC) R11- Highly flammable.
R18- In use, may form flammable/explosive vapor-air mixture.

HMIS (U.S.A.)

Health Hazard	1
Fire Hazard	3
Reactivity	0
Personal Protection	1

National Fire Protection Association (U.S.A.)

Health



Fire Hazard

Reactivity

Specific hazard

Protective Clothing (Pictograms)

**Section XVI. Other Information**

References Not available.

Other Special Considerations Format Change, Ethyl Benzene Classified 2B Carcinogen 09-19-2000;

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