

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: DSOLV200
Product Name: D-SOLV 200
Company Name: Shepard Bros., Inc.
 503 S. Cypress St.
 La Habra, CA 90631
Phone Number: +1 (562)697-1366
Web site address: www.shepardbros.com
Emergency Contact: CHEMTREC +1 (800)424-9300
Product Category: Metal Cleaning Solvent

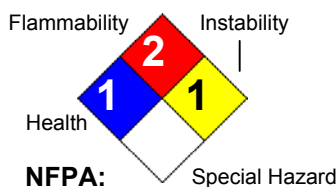
2. HAZARDS IDENTIFICATION

Toxic To Reproduction, Category 2



GHS Signal Word: **Warning**
GHS Hazard Phrases: H361 - Suspected of damaging fertility or the unborn child .
 H413 - May cause long lasting harmful effects to aquatic life.
GHS Precaution Phrases: P201 - Obtain special instructions before use.
 P202 - Do not handle until all safety precautions have been read and understood.
 P281 - Use personal protective equipment as required.
 P273 - Avoid release to the environment.
GHS Response Phrases: P308+313 - IF exposed or concerned: Get medical attention/advice.
GHS Storage and Disposal Phrases: P405 - Store locked up. P501 - Dispose of contents and containers in accordance with local, regional, national, and international regulations.

Hazard Rating System:



Potential Health Effects (Acute and Chronic): Chronic: Chronic exposure may cause liver damage. Adverse reproductive effects have been reported in animals.
Inhalation: May cause irritation of the respiratory system and central nervous system depression, including headache, dizziness, nausea, loss of balance and drowsiness.
Skin Contact: May cause skin irritation.
Eye Contact: May cause eye irritation. May cause tearing, redness, and swelling.
Ingestion: May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
556-67-2	Octamethylcyclotetrasiloxane	>50.0 %
541-02-6	Decamethylcyclopentasiloxane	<25.0 %
69430-24-6	Cyclosiloxanes, di-Me	<25.0 %



4. FIRST AID MEASURES

Emergency and First Aid

Procedures:

- In Case of Inhalation:** Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask. Get medical aid.
- In Case of Skin Contact:** Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Gently wash with plenty of soap and water. Wash contaminated clothing separately before reuse. Get medical aid if irritation develops or persists.
- In Case of Eye Contact:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do after 5 minutes and continue rinsing for an additional 15 minutes. Get medical attention if irritation persists.
- In Case of Ingestion:** Do NOT induce vomiting. If victim is conscious and alert, give 2 glasses of water. Never give anything by mouth to an unconscious person. Get medical aid.
- Note to Physician:** Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

5. FIRE FIGHTING MEASURES

- Flash Pt:** 109 F (42.8 C) Method Used: TAG Closed Cup
- Explosive Limits:** LEL: No data. UEL: No data.
- Autoignition Pt:** NA
- Suitable Extinguishing Media:** Use typical fire fighting media on surrounding flammable materials, including such things as water spray, dry chemical, foam and carbon dioxide.
- Fire Fighting Instructions:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved (or equivalent), and full protective gear. Sensitivity to static discharge is expected; material has a flash point below 200F.
- Flammable Properties and Hazards:** High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, silicon dioxide, chlorine containing gases, fluorine containing gases, above 300F, formaldehyde, which is an acute toxicant and potential cancer hazard.

6. ACCIDENTAL RELEASE MEASURES

- Protective Precautions, Protective Equipment and Emergency Procedures:** Use proper personal protective equipment as indicated in Section 8.
- Environmental Precautions:** Do not let product enter drains, sewers, watersheds or water systems.
- Steps To Be Taken In Case Material Is Released Or Spilled:** Spills/Leaks: Provide ventilation. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Wipe, scrape, or soak up in an inert diking material. Transfer material into a container intended for flammable materials for disposal. Wash walking surfaces with detergent and water to reduce slipping hazard.

7. HANDLING AND STORAGE

- Precautions To Be Taken in Handling:** Use as directed. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use a ground strap and appropriate precautions for dispensing flammable liquids. Use spark-proof tools and explosion proof equipment. May generate formaldehyde at temperatures greater than 150C (300F). Not for injection into humans.
- Precautions To Be Taken in Storing:** Store in a cool, dry, well-ventilated area away from incompatible substances. Store away from heat, sources of ignition, and incompatibles. Store in a tightly closed container. Keep



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container closed when not in use. Protect containers against damage.

Other Precautions:

Handle in accordance with good industrial hygiene and safety practices. Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
556-67-2	Octamethylcyclotetrasiloxane	PEL: 5 ppm	TLV: 5 ppm	No data.
541-02-6	Decamethylcyclopentasiloxane	PEL: 10 ppm	TLV: 10 ppm	No data.
69430-24-6	Cyclosiloxanes, di-Me	No data.	No data.	No data.

Respiratory Equipment (Specify Type): Use a NIOSH/MSHA approved respirator where spray or mist may exist. Supplied air respirators may be required for non-routine or emergency situations.

Eye Protection: Wear chemical splash goggles and a full-face shield where there is potential for eye contact.

Protective Gloves: Wear appropriate protective gloves to prevent skin exposure. Impermeable gloves. Chemical resistant gloves.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure. Chemical resistant apron. Chemical resistant boots.

Engineering Controls (Ventilation etc.): Ensure adequate ventilation. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Work/Hygienic/Maintenance Practices: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States: [] Gas [X] Liquid [] Solid

Appearance and Odor: Appearance: colorless. Liquid.
Odor: Strong. naphthalene-like.

Melting Point: < 64.0 F (17.8 C)

Boiling Point: > 280 F (138 C)

Decomposition Temperature: NA

Autoignition Pt: NA

Flash Pt: 109 F (42.8 C) Method Used: TAG Closed Cup

Explosive Limits: LEL: No data. UEL: No data.

Specific Gravity (Water = 1): 0.98 at 25.0 C (77.0 F)

Density: NA

Bulk density: NA

Vapor Pressure (vs. Air or mm Hg): > 5 MM_HG

Vapor Density (vs. Air = 1): > 1

Evaporation Rate: NA

Solubility in Water: Insoluble

Saturated Vapor Concentration: NA

Viscosity: NA

pH: NA

Percent Volatile: 100 %

VOC / Volume: NA



Particle Size: NA
Heat Value: NA
Corrosion Rate: NA

10. STABILITY AND REACTIVITY

Reactivity: High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, silicon dioxide, chlorine containing gases, fluorine containing gases, This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300 degrees Fahrenheit (150C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard. An SDS for formaldehyde is available from Momentive.

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: High temperatures, Ignition sources, Incompatible materials.

Incompatibility - Materials To Avoid: Oxidizers.

Hazardous Decomposition or Byproducts: High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, silicon dioxide, chlorine containing gases, fluorine containing gases, above 300F, formaldehyde, which is an acute toxicant and potential cancer hazard.

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Reactions: No data available.

11. TOXICOLOGICAL INFORMATION

Toxicological Information: Epidemiology: No information available.
Teratogenicity: No information available.
Reproductive Effects: No information available.
Mutagenicity: No information available.
Neurotoxicity: No information available.
Other Studies: CAS# 541-02-6:
Acute toxicity, LD50, Oral, Rat, 64 ml/kg
Acute toxicity, LD50, Skin, Rabbit, 16 ml/kg
Other Studies: CAS# 556-67-2:
Acute toxicity, LD50, Oral, Rat, 1540 mg/kg
Acute toxicity, LD50, Skin, Rat, 1770 mg/kg.

Irritation or Corrosion: Other Studies: CAS# 541-02-6:
Standard Draize Test, Skin, Species: Rabbit, 500 mg, 24H
Standard Draize Test, Eyes, Species: Rabbit, 500 mg, 24H
Other Studies: CAS# 556-67-2:
Standard Draize Test, Skin, Species: Rabbit, 500 mg, 24H
Standard Draize Test, Eyes, Species: Rabbit, 500 mg, 24H.

Carcinogenicity/Other Information: This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300 degrees Fahrenheit (150C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard. An SDS for formaldehyde is available from Momentive.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No



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16. OTHER INFORMATION

Revision Date: 12/20/2017

Preparer Name: Jose Arias

Additional Information: No data available.

Company Policy or Disclaimer: Information presented herein is believed to be accurate and reliable to the best of our knowledge. However, we make no warranty or merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process. Users should make their own investigations to determine the suitability of the information for their particular purposes.