



FRS ENVIRONMENTAL

WASTE MANAGEMENT SOLUTIONS FOR A CLEANER WORLD
1414 E. Sixth St. Corona, CA 92879
Phone (800)297-7292 (951)898-1888
EPA ID: CAL000224539

D-SOLV 300

VOLATILE (VOC) EXEMPT CLEANING SOLVENT

D-SOLV 300 is a VOC-exempt, volatile silicone fluid exhibiting an average viscosity of 3.0 cst at 25°C. **D-SOLV 300** can also be described as a cyclomethicone and is a complex mixture of decamethylcyclopentasiloxane and octamethylcyclotetrasiloxane. It is water insoluble but is soluble in aromatic and aliphatic hydrocarbons, some mineral and vegetable oils, and low molecular weight alcohols such as anhydrous ethanol or IPA. **D-SOLV 300** exhibits good thermal and oxidative stability, with an extremely low surface tension. It is chemically inert to most common materials of construction, making it essentially non-corrosive. It exhibits extremely low toxicity characteristics, encouraging use in applications where inhalation or casual skin contact is a concern. **D-SOLV 300** exhibits good solvency characteristics, making it useful as a cleaning agent in non-aqueous systems. It is considered VOC-exempt under federal EPA standards, making it of particular utility in applications requiring low to no VOC compliance.

APPLICATION:

Typical uses for **D-SOLV 300** include textile processing, ex. dry cleaning, and metal cleaning. **D-SOLV 300** is widely used as a cleaning solvent in parts washers and tank wash systems. It works best in closed loop systems where evaporation can be minimized and solvent recovery can be maximized via filtration and/or distillation. It can be used in some open systems due to its relatively slow evaporation rate. If a slower evaporation rate is required, evaluation of other **D-SOLV-series** products, such as **D-SOLV 305**, may be warranted. **D-SOLV 305** exhibits reduced solvency relative to **D-SOLV 300**, but has a slower evaporation rate, a higher flash point, and a better eco-tox profile under certain test conditions. If stronger solvency is required, evaluation of **D-SOLV 200-series** products may be warranted. These materials exhibit stronger solvency but do exhibit faster evaporation rates with lower flash points and a much stronger odor profile.

Our technical suggestions are based on data from many experiments and cannot represent a warranty of any kind as to their performance in other formulations. Customers must always verify our product's performance in their own systems. The purchaser must determine individually, by preliminary tests or otherwise, the suitability of this product for the intended purpose. The technical information and use suggestions herein are presented in good faith and are believed to be reliable. They do not constitute a part of our terms and conditions of sale. Nothing herein shall be deemed to constitute a warranty, express or implied, that said information or data are correct, or that the product described is merchantable or fit for a particular purpose, or that said information, data or product can be used without infringing patents of a third party.

This technical data sheet replaces all previous issues. Revision: 02/21

<u>Property</u>	<u>Specification</u>	<u>Typical</u>
Appearance at 25°C	Clear liquid	Clear liquid
Odor	Non-offensive	Non-offensive
Flash Point, °F	-----	160
Relative Evaporation Rate	-----	Slow

Consult your LibreChem representative for specific use instructions and recommended dispensing equipment.

SAFE HANDLING

A Safety Data Sheet containing detailed information regarding the properties and safe handling of **D-SOLV 300** is available on request and should be reviewed prior to using this product.

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