

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Dynasolve® M-10

Version  
1.0

Revision Date:  
10/11/2024

SDS Number:  
70MDGM661427

Date of first issue:  
10/11/2024

## SECTION 1. IDENTIFICATION

Product name : Dynasolve® M-10

Product number : 661427

### Manufacturer or supplier's details

Company : Versum Materials US, LLC 8555 South River Parkway Tempe,  
AZ 85284-2601 Exporter EIN No. 47-5632014  
www.emdgroup.com/electronics Telephone: 800 837 2724

Emergency telephone : 1-800-424-9300 CHEMTREC (USA) 1-703-741-5970  
CHEMTREC (International) 24 Hours/day; 7 Days/week

### Recommended use of the chemical and restrictions on use

Recommended use : Silicone Flushing Solvent.

## SECTION 2. HAZARDS IDENTIFICATION

### GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Aspiration hazard : Category 1

### GHS label elements

Hazard pictograms :



Signal Word : Danger

Hazard Statements : H304 May be fatal if swallowed and enters airways.

Precautionary Statements : **Response:**  
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
P331 Do NOT induce vomiting.

**Storage:**  
P405 Store locked up.

**Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Dynasolve® M-10

Version  
1.0

Revision Date:  
10/11/2024

SDS Number:  
70MDGM661427

Date of first issue:  
10/11/2024

## Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance of unknown or variable composition, complex reaction products or biological material (UVCB)

### Components

Chemical name	CAS-No.	Concentration (% w/w)
Distillates (petroleum), Hydrotreated Light	64742-47-8	>= 90 - <= 100

Actual concentration is withheld as a trade secret

## SECTION 4. FIRST AID MEASURES

- If inhaled : fresh air. Consult doctor if feeling unwell.
- In case of skin contact : Take off immediately all contaminated clothing. Rinse skin with water/ shower.
- In case of eye contact : rinse out with plenty of water.  
Remove contact lenses.
- If swallowed : caution if victim vomits. Risk of aspiration! Keep airways free.  
Call a physician immediately.  
Do NOT induce vomiting.  
Never give anything by mouth to an unconscious person.  
Pulmonary failure possible after aspiration of vomit.  
If accidentally swallowed obtain immediate medical attention.
- Most important symptoms and effects, both acute and delayed : We have no description of any toxic symptoms.
- Notes to physician : No information available.

## SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Water  
Dry powder  
Foam  
Carbon dioxide (CO<sub>2</sub>)

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Dynasolve® M-10

Version  
1.0

Revision Date:  
10/11/2024

SDS Number:  
70MDGM661427

Date of first issue:  
10/11/2024

Unsuitable extinguishing media : For this substance/mixture no limitations of extinguishing agents are given.

Specific hazards during fire fighting : Combustible.

Development of hazardous combustion gases or vapours possible in the event of fire.

Vapors are heavier than air and may spread along floors. Forms explosive mixtures with air on intense heating.

Further information : Prevent fire extinguishing water from contaminating surface water or the ground water system.

Special protective equipment for fire-fighters : Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Advice for non-emergency personnel:  
Do not breathe vapors, aerosols.  
Avoid substance contact.  
Ensure adequate ventilation.  
Evacuate the danger area, observe emergency procedures, consult an expert.  
Advice for emergency responders:  
Protective equipment see section 8.  
If possible, stop flow of product.

Environmental precautions : Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up : Observe possible material restrictions (see sections 7 and 10). Take up carefully with liquid-absorbent material (e.g. Chemisorb®). Dispose of properly. Clean up affected area.

## SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges.

Advice on safe handling : Observe label precautions.

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Dynasolve® M-10

Version  
1.0

Revision Date:  
10/11/2024

SDS Number:  
70MDGM661427

Date of first issue:  
10/11/2024

Conditions for safe storage : Store in original container.

Further information on storage conditions : Keep locked up or in an area accessible only to qualified or authorized persons. Tightly closed. Risks from decomposition products: see section 10

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Distillates (petroleum), Hydrotreated Light	64742-47-8	TWA (Mist)	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA	200 mg/m <sup>3</sup> (total hydrocarbon vapor)	ACGIH
		TWA (Mist)	5 mg/m <sup>3</sup>	OSHA P0
		TWA (Mist)	5 mg/m <sup>3</sup>	NIOSH REL
		ST (Mist)	10 mg/m <sup>3</sup>	NIOSH REL

**Engineering measures** : Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

See section 7

### Personal protective equipment

Respiratory protection : Respirator with filter for organic vapor  
Wear appropriate respirator when ventilation is inadequate. required when vapours/aerosols are generated.

Hand protection

Remarks : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Protective measures : Wear suitable protective clothing, gloves and eye/face protection.

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## Dynasolve® M-10

Version  
1.0

Revision Date:  
10/11/2024

SDS Number:  
70MDGM661427

Date of first issue:  
10/11/2024

---

Eye protection : Safety glasses

Body Protection : If there is any possibility of direct contact or exposure, wear chemical resistant protective clothing.

Hygiene measures : Avoid contact with skin, eyes and clothing.  
Change contaminated clothing. Wash hands after working with substance.

---

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Color : colorless

Odor : No data available

Odor Threshold : No data available

pH : No data available

Melting point : No data available

Boiling point : No data available

Flammability (solid, gas) : No data available

Decomposition temperature : No data available

Flash point : 97 °C  
Method: ASTM D 93, closed cup

Auto-ignition temperature : No data available

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Vapor pressure : No data available

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## Dynasolve® M-10

Version  
1.0

Revision Date:  
10/11/2024

SDS Number:  
70MDGM661427

Date of first issue:  
10/11/2024

---

Relative vapor density : No data available

Relative density : No data available

Density : No data available

Solubility(ies) : No data available

Partition coefficient: n-octanol/water : No data available

Evaporation rate : No data available

Viscosity : No data available

---

### SECTION 10. STABILITY AND REACTIVITY

Reactivity : See Possibility of hazardous reactions.

Chemical stability : No data available

Possibility of hazardous reactions : no information available

Conditions to avoid : no information available

Incompatible materials : Oxidizing agents

Hazardous decomposition products : in the event of fire: See section 5.

---

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

Eye contact  
Skin contact

---

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Dynasolve® M-10

Version  
1.0

Revision Date:  
10/11/2024

SDS Number:  
70MDGM661427

Date of first issue:  
10/11/2024

---

## **Acute toxicity**

**Product:**

Acute oral toxicity : Assessment: Toxic effects cannot be excluded

Acute inhalation toxicity : Assessment: Toxic effects cannot be excluded

Acute dermal toxicity : Assessment: Toxic effects cannot be excluded

## **Skin corrosion/irritation**

**Product:**

No data available

## **Serious eye damage/eye irritation**

**Product:**

No data available

## **Respiratory or skin sensitization**

**Product:**

No data available

## **Germ cell mutagenicity**

**Product:**

No data available

## **Carcinogenicity**

**Product:**

No data available

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

**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

## **Reproductive toxicity**

**Product:**

No data available

## **STOT-single exposure**

**Product:**

No data available

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Dynasolve® M-10

Version  
1.0

Revision Date:  
10/11/2024

SDS Number:  
70MDGM661427

Date of first issue:  
10/11/2024

---

## **STOT-repeated exposure**

**Product:**

No data available

## **Aspiration toxicity**

**Product:**

Aspiration hazard

## **Further information**

**Product:**

Remarks

: Handle in accordance with good industrial hygiene and safety practice  
Other dangerous properties can not be excluded.

---

## **SECTION 12. ECOLOGICAL INFORMATION**

### **Ecotoxicity**

No data available

### **Persistence and degradability**

No data available

### **Bioaccumulative potential**

No data available

### **Mobility in soil**

No data available

### **Other adverse effects**

**Product:**

Ozone-Depletion Potential

: Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances  
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information

: No ecological problems are to be expected when the product is handled and used with due care and attention.



# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Dynasolve® M-10

Version  
1.0

Revision Date:  
10/11/2024

SDS Number:  
70MDGM661427

Date of first issue:  
10/11/2024

---

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

Contaminated packaging : When discarding an empty container, the contaminated to the inside is removed completely and it discards according to your local regulations.

---

## SECTION 14. TRANSPORT INFORMATION

### International Regulations

#### IATA-DGR

Not regulated as a dangerous good

#### IMDG-Code

Not regulated as a dangerous good

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

#### Domestic regulation

#### 49 CFR Road

Not regulated as a dangerous good

#### Special precautions for user

Not applicable

---

## SECTION 15. REGULATORY INFORMATION

### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Dynasolve® M-10

Version  
1.0

Revision Date:  
10/11/2024

SDS Number:  
70MDGM661427

Date of first issue:  
10/11/2024

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

## Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

## Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

## US State Regulations

### Massachusetts Right To Know

Distillates (petroleum), Hydrotreated Light

64742-47-8

### TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

### The ingredients of this product are reported in the following inventories:

TSCA : All substance listed on the TSCA Active Inventory

DSL : All components of this product are on the Canadian DSL

---

## SECTION 16. OTHER INFORMATION

Revision Date : 10/11/2024

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guid-

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Dynasolve® M-10

Version  
1.0

Revision Date:  
10/11/2024

SDS Number:  
70MDGM661427

Date of first issue:  
10/11/2024

---

ance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

US / EN