

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



UR-Away FL

Version
1.0

Revision Date:
10/11/2024

SDS Number:
70MDGM661412

Date of first issue:
10/11/2024

SECTION 1. IDENTIFICATION

Product name : UR-Away FL

Product number : 661412

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 : General Flushing Solvent

SECTION 2. HAZARDS IDENTIFICATION

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

Not a hazardous substance or mixture.

GHS label elements

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Methyl palmitate	112-39-0	$\geq 5 - < 10$
Methyl stearate	112-61-8	$\geq 1 - < 5$

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

If inhaled : fresh air.

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- 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 : make victim drink water (two glasses at most). Consult doctor if feeling unwell.
- Most important symptoms and effects, both acute and delayed : We have no description of any toxic symptoms.
- Notes to physician : No information available.
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SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Water
Dry powder
Foam
Carbon dioxide (CO₂)
- Unsuitable extinguishing media : For this substance/mixture no limitations of extinguishing agents are given.
- Specific hazards during fire fighting : Combustible.
- Vapors are heavier than air and may spread along floors.
Forms explosive mixtures with air on intense heating.
Development of hazardous combustion gases or vapours possible in the event of fire.
- Fire may cause evolution of:
Carbon oxides
- 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
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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.
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 with liquid-absorbent material (e.g. Chemisorb®).
Dispose of properly. Clean up affected area.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Observe label precautions.
- Conditions for safe storage : Keep containers tightly closed in a cool, well-ventilated place.
Store in original container.
- Further information on storage conditions : 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
Methyl stearate	112-61-8	TWA (Inhalable particulate matter)	10 mg/m ³	ACGIH
		TWA (Respirable particulate matter)	3 mg/m ³	ACGIH

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

See section 7

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Personal protective equipment

- Respiratory protection : Respirator with filter for organic vapor
Not required for properly ventilated areas.
required when vapours/aerosols are generated.
- Hand protection
- Remarks : Protective gloves
- Protective measures : Wear suitable protective clothing, gloves and eye/face protection.
- 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.
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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Color : Colorless to straw yellow.
- Odor : No data available
- Odor Threshold : No data available
- pH : No data available
- Melting point : No data available
- Boiling point/boiling range : > 482 °F / > 250 °C
- Flammability (solid, gas) : No data available
- Decomposition temperature : No data available
- Flash point : 131.5 °C
Method: Pensky-Martens closed cup
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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

Relative vapor density : No data available

Relative density : (water = 1) 0.9

Density : 0.9 g/cm³

Solubility(ies)
Water solubility : slightly soluble

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

Evaporation rate : No data available

Viscosity : No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Forms explosive mixtures with air on intense heating. A range from approx. 15 Kelvin below the flash point is to be rated as critical.

Chemical stability : No data available

Possibility of hazardous reactions : no information available

Conditions to avoid : Strong heating.

Incompatible materials : Strong oxidizing agents

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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

Acute toxicity

Product:

Acute oral toxicity : Acute Toxicity Estimate (ATE): > 5,000 mg/kg
Method: Calculation method

Components:

Methyl palmitate:

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg
Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity : LC50 (Rat): > 5.1 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Assessment: The substance or mixture has no acute inhalation toxicity

Methyl stearate:

Acute oral toxicity : LD50 (Rat): > 2,000.1 mg/kg
Assessment: The substance or mixture has no acute oral toxicity
Remarks: (ECHA)

Acute inhalation toxicity : LC50 (Rat): > 5.1 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Assessment: The substance or mixture has no acute inhalation toxicity
Remarks: (ECHA)

Acute dermal toxicity : Assessment: Toxic effects cannot be excluded

Skin corrosion/irritation

Product:

No data available

Components:

Methyl palmitate:

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Result : Skin irritation

Methyl stearate:

Remarks : No skin irritation

Serious eye damage/eye irritation

Product:

No data available

Components:

Methyl palmitate:

Remarks : No eye irritation

Methyl stearate:

Remarks : No eye irritation

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

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STOT-repeated exposure

Product:

No data available

Aspiration toxicity

Product:

No data available

Further information

Product:

Remarks

: Handle in accordance with good industrial hygiene and safety practice
The product has not been tested. The information is derived from the properties of the individual components.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Methyl palmitate:

Toxicity to fish : LC50 (Zebrafish (Danio rerio).): 300 mg/l
Exposure time: 96 h

Persistence and degradability

Components:

Methyl palmitate:

Biodegradability : Result: Readily biodegradable.

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

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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 testing was carried out on the preparation.

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

UN number : Not dangerous goods
Proper shipping name : Not dangerous goods
Class : Not dangerous goods
Packing group : Not dangerous goods
Marine pollutant : Not dangerous goods

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

Remarks : Not classified as dangerous in the meaning of transport regulations.

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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.

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 I 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

No components are subject to the Massachusetts Right to Know Act.

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

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SECTION 16. OTHER INFORMATION

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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 guidance 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.

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