

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Decap

Version  
1.0

Revision Date:  
10/11/2024

SDS Number:  
70MDGM661381

Date of first issue:  
10/11/2024

## SECTION 1. IDENTIFICATION

Product name : Decap

Product number : 661381

### 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 : Polymer Remover

## SECTION 2. HAZARDS IDENTIFICATION

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

Flammable liquids : Category 4

Eye irritation : Category 2A

### GHS label elements

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H227 Combustible liquid.  
H319 Causes serious eye irritation.

Precautionary Statements : **Prevention:**  
P210 Keep away from heat/ sparks/ open flames/ hot surfaces.  
No smoking.  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/ eye protection/ face protection.  
**Response:**  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water  
for several minutes. Remove contact lenses, if present and easy  
to do. Continue rinsing.

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P337 + P313 If eye irritation persists: Get medical advice/ attention.

#### Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.

#### Disposal:

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

#### Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
Methane, sulfinylbis-	67-68-5	$\geq 70 - < 90$
1-Phenoxy-2-propanol	770-35-4	$\geq 10 - < 20$
AMYL ACETATE	628-63-7	$\geq 1 - < 5$

Actual concentration is withheld as a trade secret

## SECTION 4. FIRST AID MEASURES

If inhaled : fresh air.

In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes.  
Take off immediately all contaminated clothing. Rinse skin with water/ shower.

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Seek medical treatment immediately.  
Remove contact lenses.

If swallowed : immediately make victim drink water (two glasses at most).  
Consult a physician.  
Never give anything by mouth to an unconscious person.

Most important symptoms : irritant effects

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and effects, both acute and  
delayed

Notes to physician : No information available.

## SECTION 5. FIRE-FIGHTING MEASURES

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

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.

Further information : Prevent fire extinguishing water from contaminating surface water or the ground water system.  
Suppress (knock down) gases/vapors/mists with a water spray jet.

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.  
Keep away from heat and sources of ignition.  
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.

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- 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. Chemizorb®). 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 discharge.
- Advice on safe handling : Emergency showers and eye wash stations should be readily accessible. Empty containers may contain residue which can be dangerous – do not pressurize, cut, weld, drill, grind and also do not expose such containers to heat, flame, sparks, or other ignition sources. Observe label precautions.
- Conditions for safe storage : 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
Methane, sulfinylbis-	67-68-5	TWA	250 ppm	US WEEL
AMYL ACETATE	628-63-7	TWA	100 ppm 525 mg/m3	NIOSH REL
		TWA	100 ppm 525 mg/m3	OSHA Z-1
		TWA	100 ppm 525 mg/m3	OSHA P0
		TWA	50 ppm	ACGIH
		STEL	100 ppm	ACGIH

- Engineering measures : Technical measures and appropriate working operations

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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 nec-  
essary.

Protective measures : Wear suitable protective clothing, gloves and eye/face pro-  
tection.

Eye protection : Safety glasses

Body Protection : Flame retardant protective clothing  
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 : pink

Odor : No data available

Odor Threshold : No data available

pH : 7.3

Melting point : No data available

Boiling point/boiling range : 372 °F / 189 °C

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Flammability (solid, gas)	:	Remarks: Combustible.
Decomposition temperature	:	No data available
Flash point	:	79 °C Method: Pensky-Martens 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	:	0.46 hPa
Relative vapor density	:	No data available
Relative density	:	No data available
Density	:	1.1 g/cm3
Solubility(ies) Water solubility	:	miscible
Partition coefficient: n-octanol/water	:	No data available
Evaporation rate	:	No data available
Viscosity	:	No data available
Explosive properties	:	Not classified as explosive.
Oxidizing properties	:	none

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## 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
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rated as critical.

Chemical stability : No data available

Possibility of hazardous reactions : no information available

Conditions to avoid : Strong heating.

Incompatible materials : No data available

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

## SECTION 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

Inhalation  
Eye contact  
Skin contact

### Acute toxicity

#### Product:

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

Acute inhalation toxicity : Symptoms: Possible symptoms:, mucosal irritations

#### Components:

##### Methane, sulfinylbis-:

Acute oral toxicity : LD50 (Rat, male and female): 28,300 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC0 (Rat, male and female): > 5.33 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: OECD Test Guideline 403  
GLP: yes  
Remarks: An LC50/inhalation/4h/rat could not be determined because no mortality of rats was observed at the maximum achievable concentration.

Acute dermal toxicity : LD50 (Rat, male and female): 40,000 mg/kg  
Remarks: (ECHA)

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## 1-Phenoxy-2-propanol:

- Acute oral toxicity : LD50 (Rat, male and female): > 2,000 mg/kg  
Method: OECD Test Guideline 401
- Acute inhalation toxicity : LC50 (Rat, male and female): > 5.4 mg/l  
Exposure time: 4 h  
Test atmosphere: aerosol  
Method: OECD Test Guideline 403  
GLP: yes  
Assessment: The substance or mixture has no acute inhalation toxicity
- Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg  
Method: OECD Test Guideline 402  
GLP: yes  
Assessment: The substance or mixture has no acute dermal toxicity

## Skin corrosion/irritation

### Product:

No data available

### Components:

#### Methane, sulfinylbis-:

- Species : Rabbit  
Exposure time : 4 h  
Method : OECD Test Guideline 404  
Result : slight irritation  
GLP : yes  
Remarks : (ECHA)

#### 1-Phenoxy-2-propanol:

- Species : Rabbit  
Exposure time : 24 h  
Method : OECD Test Guideline 404  
Result : No irritation  
GLP : yes

## Serious eye damage/eye irritation

### Product:

No data available

### Components:

#### Methane, sulfinylbis-:

- Species : Rabbit  
Result : slight irritation  
Exposure time : 24 h  
Method : OECD Test Guideline 405



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Remarks : (ECHA)

## 1-Phenoxy-2-propanol:

Species : Rabbit  
Result : irritating  
Method : OECD Test Guideline 405  
GLP : yes  
Remarks : (ECHA)

## Respiratory or skin sensitization

### Product:

No data available

### Components:

#### Methane, sulfinylbis-:

Test Type : Local lymph node assay (LLNA)  
Routes of exposure : Skin  
Species : Mouse  
Method : OECD Test Guideline 429  
Result : negative  
Remarks : (ECHA)

#### 1-Phenoxy-2-propanol:

Routes of exposure : Skin  
Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : negative  
GLP : yes  
Remarks : (ECHA)

## Germ cell mutagenicity

### Product:

No data available

### Components:

#### Methane, sulfinylbis-:

Genotoxicity in vitro : Test Type: gene mutation test  
Test system: Salmonella typhimurium  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative  
Remarks: (ECHA)

Test Type: sister chromatid exchange assay  
Test system: Chinese hamster ovary cells  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 479

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Result: negative  
Remarks: (ECHA)

Test Type: Mutagenicity (mammal cell test): chromosome aberration.

Test system: Chinese hamster ovary cells

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 473

Result: negative

Remarks: (ECHA)

Genotoxicity in vivo : Test Type: Mutagenicity (in vivo mammalian bone-marrow cytogenetic test, chromosomal analysis)  
Species: Rat (male and female)  
Cell type: Red blood cells (erythrocytes)  
Application Route: i.p.  
Method: OECD Test Guideline 474  
Result: negative  
GLP: yes

## Carcinogenicity

### **Product:**

No data available

### **Components:**

### **Methane, sulfinylbis-**

Remarks : No indication of carcinogenic activity.  
(IUCID)

**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  
Other dangerous properties can not be excluded.  
The product has not been tested. The information is derived from the properties of the individual components.

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## **SECTION 12. ECOLOGICAL INFORMATION**

### **Ecotoxicity**

#### **Components:**

##### **Methane, sulfinylbis-:**

Toxicity to fish

: LC50 (Danio rerio (zebra fish)): > 25,000 mg/l  
Exposure time: 96 h  
Analytical monitoring: yes  
GLP: yes  
Remarks: (ECHA)

Toxicity to daphnia and other aquatic invertebrates

: EC50 (Daphnia magna (Water flea)): 24,600 mg/l  
Exposure time: 48 h  
Analytical monitoring: yes  
Method: OECD Test Guideline 202  
Remarks: (ECHA)

Toxicity to algae/aquatic plants

: ErC50 (Pseudokirchneriella subcapitata (green algae)): 17,000 mg/l  
Exposure time: 72 h  
Analytical monitoring: yes  
Method: OECD Test Guideline 201  
GLP: yes  
Remarks: (ECHA)

Toxicity to microorganisms

: EC50 (activated sludge): 10 - 100 mg/l  
Exposure time: 30 min  
Method: ISO 8192  
Remarks: (IUCLID)

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## Ecotoxicology Assessment

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

### 1-Phenoxy-2-propanol:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 280 mg/l  
Exposure time: 96 h  
GLP: no

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 370 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202  
GLP: no

Toxicity to algae/aquatic plants : NOEC (Desmodesmus subspicatus (green algae)): 25 mg/l  
Exposure time: 72 h  
GLP: yes  
Remarks: (ECHA)

ErC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l  
Exposure time: 72 h  
GLP: yes  
Remarks: (ECHA)

Toxicity to microorganisms : EC50 (activated sludge): > 1,000 mg/l  
Exposure time: 30 min  
Method: OECD Test Guideline 209  
GLP: yes

## Persistence and degradability

### Components:

#### Methane, sulfinylbis-

Biodegradability : Inoculum: activated sludge  
Concentration: 2 mg/l  
Result: Not readily biodegradable.  
Biodegradation: 31 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301D  
GLP: yes

#### 1-Phenoxy-2-propanol:

Biodegradability : Inoculum: activated sludge  
Result: Readily biodegradable.  
Biodegradation: 72 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301F  
GLP: yes

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## Bioaccumulative potential

### Components:

#### **Methane, sulfinylbis-**

Partition coefficient: n-octanol/water : log Pow: -1.35 (68 °F / 20 °C)  
Remarks: Bioaccumulation is not expected.  
(ECHA)

## 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 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**

#### **IATA-DGR**

Not regulated as a dangerous good

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## 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

UN/ID/NA number : NA 1993  
Proper shipping name : Combustible liquid, n.o.s.  
(Dimethyl sulfoxide)  
Class : CBL  
Packing group : III  
Labels : NONE  
ERG Code : 128  
Marine pollutant : no

## Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## SECTION 15. REGULATORY INFORMATION

### CERCLA Reportable Quantity

Listed substances in the product are at low enough levels to not be expected to exceed the 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).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

Methane, sulfinylbis-	67-68-5	>= 70 - < 90 %
AMYL ACETATE	628-63-7	>= 1 - < 5 %

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## Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

AMYL ACETATE                      628-63-7                       $\geq 1 - < 5 \%$

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

AMYL ACETATE                      628-63-7                       $\geq 1 - < 5 \%$

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

AMYL ACETATE                      628-63-7

### 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

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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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