

# Safety Data Sheet

## HEXYLENE GLYCOL

Version 1.7

Revision Date: 09/16/2025

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** : HEXYLENE GLYCOL

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

**Recommended use** : Solvent  
Coatings  
Intermediate.  
in Personal Care  
Emulsifier

#### Manufacturer or supplier's details

**Company** : Univar Solutions USA  
**Address** : 3075 Highland Pkwy Suite 200  
Downers Grove, IL 60515  
United States of America (USA)

#### Emergency telephone number:

Transport North America: CHEMTREC (1-800-424-9300)

CHEMTREC INTERNATIONAL Tel # 703-527-3887

**Additional Information:** : Responsible Party: Product Compliance Department  
E-mail: SDSNA@univarsolutions.com  
SDS Requests: 1-855-429-2661  
Website: www.univarsolutions.com

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

Skin irritation : Category 2

Eye irritation : Category 2A

Reproductive toxicity : Category 2

#### GHS label elements

Hazard pictograms :



Signal word : Warning

**Hazard statements** : H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H361d Suspected of damaging the unborn child.

**Precautionary statements** : **Prevention:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/ eye protection/ face protection.  
P280 Wear protective gloves, protective clothing, eye protection and face protection.

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#### Response:

P302 + P352 IF ON SKIN: Wash with plenty of water.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.

#### Storage:

P405 Store locked up.

#### Disposal:

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

#### Other hazards

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

#### Hazardous components

| CAS-No.  | Chemical name   | Weight percent |
|----------|-----------------|----------------|
| 107-41-5 | Hexylene glycol | 90 - 100       |

Actual concentration is withheld as a trade secret

Any Concentration shown as a range is due to batch variation.

### SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.

If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.

In case of skin contact : Wash off with soap and plenty of water.  
If skin irritation persists, call a physician.

In case of eye contact : Flush eyes with water as a precaution.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.

If swallowed : Do NOT induce vomiting.  
Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.

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|                                                             |                                                                                                                                                |
|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Most important symptoms and effects, both acute and delayed | : Take victim immediately to hospital.<br>Causes skin irritation.<br>Causes serious eye irritation.<br>Suspected of damaging the unborn child. |
| Notes to physician                                          | : Treat symptomatically.                                                                                                                       |

#### SECTION 5. FIREFIGHTING MEASURES

|                                               |                                                                                                                                                     |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media                  | : Carbon dioxide (CO2)<br>Dry chemical<br>Foam<br>Water spray                                                                                       |
| Unsuitable extinguishing media                | : High volume water jet                                                                                                                             |
| Specific hazards during fire-fighting         | : Do not allow run-off from fire fighting to enter drains or water courses.                                                                         |
| Hazardous combustion products                 | : Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).                                                                                |
| Further information                           | : Standard procedure for chemical fires.<br>Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Special protective equipment for firefighters | : Wear self-contained breathing apparatus for firefighting if necessary.                                                                            |

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

|                                                       |                                                                                                                                                                                           |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Environmental precautions                             | : Prevent product from entering drains.<br>Prevent further leakage or spillage if safe to do so.<br>If the product contaminates rivers and lakes or drains inform respective authorities. |
| Methods and materials for containment and cleaning up | : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).<br>Keep in suitable, closed containers for disposal.                             |

#### SECTION 7. HANDLING AND STORAGE

|                                                 |                                                                                                                                                                                                                                     |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Advice on protection against fire and explosion | : Normal measures for preventive fire protection.                                                                                                                                                                                   |
| Advice on safe handling                         | : Do not breathe vapours/dust.<br>For personal protection see section 8.<br>Smoking, eating and drinking should be prohibited in the application area.<br>Dispose of rinse water in accordance with local and national regulations. |
| Conditions for safe storage                     | : Keep container tightly closed in a dry and well-ventilated place.<br>Observe label precautions.<br>Electrical installations / working materials must comply with                                                                  |

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the technological safety standards.

#### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

##### Components with workplace control parameters

| CAS-No.  | Components      | Value type<br>(Form of exposure)        | Control parameters / Permissible concentration | Basis     |
|----------|-----------------|-----------------------------------------|------------------------------------------------|-----------|
| 107-41-5 | Hexylene glycol | C                                       | 25 ppm<br>125 mg/m <sup>3</sup>                | NIOSH REL |
|          |                 | C                                       | 25 ppm<br>125 mg/m <sup>3</sup>                | OSHA P0   |
|          |                 | TWA (Vapour)                            | 25 ppm                                         | ACGIH     |
|          |                 | STEL (Vapour)                           | 50 ppm                                         | ACGIH     |
|          |                 | STEL (Inhalable fraction, Aerosol only) | 10 mg/m <sup>3</sup>                           | ACGIH     |
|          |                 | C                                       | 25 ppm<br>125 mg/m <sup>3</sup>                | CAL PEL   |

##### Personal protective equipment

Respiratory protection : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

##### Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles

Skin and body protection : Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : Wash hands before breaks and at the end of workday.

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : Clear, colorless

Odour : sweet, mild

Odour Threshold : No data available

pH : 6.9 - 7 @ 10 % @ 20 - 25 °C (68 - 77 °F)

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|                                               |                                                             |
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| Freezing Point (Melting point/freezing point) | : -50 °C (-58 °F)                                           |
| Boiling Point (Boiling point/boiling range)   | : 197 - 198 °C (387 - 388 °F)                               |
| Flash point                                   | : 94 °C (201 °F)                                            |
| Evaporation rate                              | : < 1<br>(Butyl Acetate = 1)                                |
| Flammability (solid, gas)                     | : No data available                                         |
| Upper explosion limit                         | : 9 %(V)                                                    |
| Lower explosion limit                         | : 1.2 %(V)                                                  |
| Vapour pressure                               | : 0.01 - 0.05 mmHg @ 20 °C (68 °F)                          |
| Relative vapour density                       | : 4.1 @ 20 - 25 °C (68 - 77 °F)<br>(Air = 1.0)              |
| Relative density                              | : 0.923 @ 20 °C (68 °F)<br>Reference substance: (water = 1) |
| Density                                       | : 0.9201 - 0.924 g/cm <sup>3</sup> @ 20 °C (68 °F)          |
| Solubility(ies)                               |                                                             |
| Water solubility                              | : completely miscible                                       |
| Solubility in other solvents                  | : No data available                                         |
| Partition coefficient: n-octanol/water        | : log Pow: < 1                                              |
| Auto-ignition temperature                     | : 306 °C                                                    |
| Thermal decomposition                         | : No data available                                         |
| Viscosity                                     |                                                             |
| Viscosity, dynamic                            | : 34 mPa.s @ 20 °C (68 °F)                                  |

#### SECTION 10. STABILITY AND REACTIVITY

|                                    |                                                                                  |
|------------------------------------|----------------------------------------------------------------------------------|
| Reactivity                         | : No dangerous reaction known under conditions of normal use.                    |
| Chemical stability                 | : Stable under normal conditions.                                                |
| Possibility of hazardous reactions | : No decomposition if stored and applied as directed.                            |
| Conditions to avoid                | : Keep away from heat, flame, sparks and other ignition sources.                 |
| Incompatible materials             | : Amines<br>Strong acids<br>Strong bases<br>Strong oxidizing agents              |
| Hazardous decomposition products   | : Carbon oxides<br>toxic fumes<br>No hazardous decomposition products are known. |

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**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity**

Not classified due to lack of data.

**Skin corrosion/irritation**

Causes skin irritation.

**Components:****107-41-5:**

Species: Rabbit

Result: Irritating to skin.

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Components:****107-41-5:**

Species: Rabbit

Result: Irritating to eyes.

**Respiratory or skin sensitisation**

Skin sensitisation: Not classified due to lack of data.

Respiratory sensitisation: Not classified due to lack of data.

**Germ cell mutagenicity**

Not classified due to lack of data.

**Components:****107-41-5:**

Germ cell mutagenicity - Assessment : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

**Carcinogenicity**

Not classified due to lack of data.

**Components:****107-41-5:**

Carcinogenicity - Assessment : No evidence of carcinogenicity in animal studies.

**IARC**

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

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**Reproductive toxicity**

Suspected of damaging the unborn child.

**Components:****107-41-5:**

Effects on foetal development : Species: Rabbit  
Application Route: Oral  
Dose: 80, 250, 600 milligram per kilogram  
Duration of Single Treatment: 6 - 28 d  
Frequency of Treatment: 3 daily  
General Toxicity Maternal: No observed adverse effect level: 600 mg/kg body weight  
Developmental Toxicity: NOAEL: 600 mg/kg body weight  
Embryo-foetal toxicity: No observed adverse effect level: 600 mg/kg body weight  
Result: Some evidence of adverse effects on development, based on animal experiments.

Reproductive toxicity - Assessment

Weight of evidence does not support classification for reproductive toxicity

Teratogenicity - Assessment

: Some evidence of adverse effects on development, based on animal experiments.

**STOT - single exposure**

Not classified due to lack of data.

**STOT - repeated exposure**

Not classified due to lack of data.

**Aspiration toxicity**

Not classified due to lack of data.

**Further information****Product:**

Remarks: No data available

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

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**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 data available

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : Dispose of in accordance with all applicable local, state and federal regulations.  
For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Univar Solutions ChemCare: 1-800-637-7922

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

**SECTION 14. TRANSPORT INFORMATION****DOT (Department of Transportation):** Not regulated as a dangerous good**IATA (International Air Transport Association):** Not regulated as a dangerous good**IMDG-Code:** Not regulated as a dangerous good**SECTION 15. REGULATORY INFORMATION****WHMIS Classification** : D2B: Toxic Material Causing Other Toxic Effects**EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

| Components             | CAS-No.  | Component RQ (lbs) | Calculated product RQ (lbs) |
|------------------------|----------|--------------------|-----------------------------|
| Methyl isobutyl ketone | 108-10-1 | 5000               | *                           |

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|         |         |      |   |
|---------|---------|------|---|
| Acetone | 67-64-1 | 5000 | * |
|---------|---------|------|---|

\*: Calculated RQ exceeds reasonably attainable upper limit.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

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

**SARA 311/312 Hazards** : Reproductive toxicity  
Skin corrosion or irritation  
Serious eye damage or eye irritation

**SARA 302** : 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 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

#### Massachusetts Right To Know

107-41-5 Hexylene glycol

#### Pennsylvania Right To Know

107-41-5 Hexylene glycol  
108-10-1 Methyl isobutyl ketone  
67-64-1 Acetone

#### California Prop 65

 **WARNING:** This product can expose you to chemicals including Methyl isobutyl ketone, which is/are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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

TSCA : All substances listed as active on the TSCA inventory

AIIC : Not in compliance with the inventory

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

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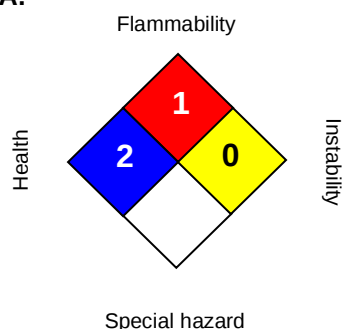
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|       |                                                         |
|-------|---------------------------------------------------------|
| ENCS  | : On the inventory, or in compliance with the inventory |
| KECI  | : On the inventory, or in compliance with the inventory |
| PICCS | : On the inventory, or in compliance with the inventory |
| IECSC | : On the inventory, or in compliance with the inventory |
| NZIoC | : Not in compliance with the inventory                  |

#### SECTION16. OTHER INFORMATION

##### NFPA:



##### HMIS III:

|                 |    |
|-----------------|----|
| HEALTH          | 2* |
| FLAMMABILITY    | 1  |
| PHYSICAL HAZARD | 0  |

0 = not significant, 1 =Slight,  
2 = Moderate, 3 = High  
4 =Extreme, \* = Chronic

The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Univar Solutions Product Compliance Department (1-855-429-2661) SDSNA@univarsolutions.com.

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Legacy SDS: : R0003554

##### Material number:

16223642, 16199552, 16187319, 16175507, 16170771, 16153785, 16153453, 16147626, 16143990, 16143284, 16143344, 16132287, 16132286, 16109513, 16099561, 16069938, 778025, 724123, 722941, 554146, 554027, 508903, 56100, 55318, 89835, 55329, 70217, 70548, 504264, 20331, 20330, 89081

| Key or legend to abbreviations and acronyms used in the safety data sheet |                                |      |                 |
|---------------------------------------------------------------------------|--------------------------------|------|-----------------|
| ACGIH                                                                     | American Conference of Govern- | LD50 | Lethal Dose 50% |

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|        |                                                          |       |                                                                                      |
|--------|----------------------------------------------------------|-------|--------------------------------------------------------------------------------------|
|        | ment Industrial Hygienists                               |       |                                                                                      |
| AIIC   | Australian Inventory of Industrial Chemicals             | LOAEL | Lowest Observed Adverse Effect Level                                                 |
| DSL    | Canada, Domestic Substances List                         | NFPA  | National Fire Protection Agency                                                      |
| NDSL   | Canada, Non-Domestic Substances List                     | NIOSH | National Institute for Occupational Safety & Health                                  |
| CNS    | Central Nervous System                                   | NTP   | National Toxicology Program                                                          |
| CAS    | Chemical Abstract Service                                | NZIoC | New Zealand Inventory of Chemicals                                                   |
| EC50   | Effective Concentration                                  | NOAEL | No Observable Adverse Effect Level                                                   |
| EC50   | Effective Concentration 50%                              | NOEC  | No Observed Effect Concentration                                                     |
| EGEST  | EOSCA Generic Exposure Scenario Tool                     | OSHA  | Occupational Safety & Health Administration                                          |
| EOSCA  | European Oilfield Specialty Chemicals Association        | PEL   | Permissible Exposure Limit                                                           |
| EINECS | European Inventory of Existing Chemical Substances       | PICCS | Philippines Inventory of Commercial Chemical Substances                              |
| MAK    | Germany Maximum Concentration Values                     | PRNT  | Presumed Not Toxic                                                                   |
| GHS    | Globally Harmonized System                               | RCRA  | Resource Conservation Recovery Act                                                   |
| >=     | Greater Than or Equal To                                 | STEL  | Short-term Exposure Limit                                                            |
| IC50   | Inhibition Concentration 50%                             | SARA  | Superfund Amendments and Reauthorization Act.                                        |
| IARC   | International Agency for Research on Cancer              | TLV   | Threshold Limit Value                                                                |
| IECSC  | Inventory of Existing Chemical Substances in China       | TWA   | Time Weighted Average                                                                |
| ENCS   | Japan, Inventory of Existing and New Chemical Substances | TSCA  | Toxic Substance Control Act                                                          |
| KECI   | Korea, Existing Chemical Inventory                       | UVCB  | Unknown or Variable Composition, Complex Reaction Products, and Biological Materials |
| <=     | Less Than or Equal To                                    | WHMIS | Workplace Hazardous Materials Information System                                     |
| LC50   | Lethal Concentration 50%                                 |       |                                                                                      |