

## Safety Data Sheet

### TERGITOL™ NP-10 SURFACTANT

Version 1.3

Revision Date: 11/11/2023

#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** : TERGITOL™ NP-10 SURFACTANT

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

Recommended use : Surfactant

#### Supplier or Repackaging Details

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

**Manufactured By** : The Dow Chemical Company

#### 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

Acute toxicity (Oral) : Category 4

Acute toxicity (Inhalation) : Category 4

Serious eye damage : Category 1

#### GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H302 + H332 Harmful if swallowed or if inhaled.  
 H318 Causes serious eye damage.

Precautionary statements : **Prevention:**  
 P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
 P264 Wash skin thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P271 Use only outdoors or in a well-ventilated area.  
 P280 Wear eye protection/ face protection.  
**Response:**  
 P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.  
 P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.

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P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

**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

**Hazardous components**

| CAS-No.     | Chemical name                                                                | Weight percent |
|-------------|------------------------------------------------------------------------------|----------------|
| 127087-87-0 | Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched | 95 - 100       |
| 25322-68-3  | Polyethylene glycol                                                          | 0 - 3          |
| 9014-93-1   | Polyoxyethylene dinonylphenol                                                | 0 - 2          |

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

**SECTION 4. FIRST AID MEASURES**

- General advice : Move out of dangerous area.  
Consult a physician.  
Show this safety data sheet to the doctor in attendance.  
Symptoms of poisoning may appear several hours later.  
Do not leave the victim unattended.
- If inhaled : Call a physician or poison control centre immediately.  
If unconscious, place in recovery position and seek medical advice.
- In case of skin contact : If skin irritation persists, call a physician.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.  
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Continue rinsing eyes during transport to hospital.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
Take victim immediately to hospital.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Keep respiratory tract clear.  
Do not induce vomiting without medical advice.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
Take victim immediately to hospital.

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**SECTION 5. FIREFIGHTING MEASURES**

- |                                               |                                                                                                                     |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media                  | : Dry chemical<br>Carbon dioxide (CO <sub>2</sub> )<br>Foam                                                         |
| 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 oxides                                                                                                     |
| Specific extinguishing methods                | : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |
| Further information                           | : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.                |
| Special protective equipment for firefighters | : Wear self-contained breathing apparatus for firefighting if necessary.<br>Use personal protective equipment.      |

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- |                                                                     |                                                                                                                                                                                           |
|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal precautions, protective equipment and emergency procedures | : Use personal protective equipment.<br>Ensure adequate ventilation.<br>Evacuate personnel to safe areas.                                                                                 |
| 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.                             |

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**SECTION 7. HANDLING AND STORAGE**

- |                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Advice on protection against fire and explosion | : Normal measures for preventive fire protection.                                                                                                                                                                                                                                                                                                                                                                                        |
| Advice on safe handling                         | : Avoid formation of aerosol.<br>Do not breathe vapours/dust.<br>Avoid contact with skin and eyes.<br>For personal protection see section 8.<br>Smoking, eating and drinking should be prohibited in the application area.<br>Provide sufficient air exchange and/or exhaust in work rooms.<br>To avoid spills during handling keep bottle on a metal tray.<br>Dispose of rinse water in accordance with local and national regulations. |

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Conditions for safe storage : Prevent unauthorized access.  
Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Observe label precautions.  
Electrical installations / working materials must comply with 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   |
|------------|---------------------|----------------------------------|------------------------------------------------|---------|
| 25322-68-3 | Polyethylene glycol | TWA                              | 10 mg/m <sup>3</sup>                           | US WEEL |
|            |                     | TWA (aerosol)                    | 10 mg/m <sup>3</sup>                           | US WEEL |

### Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.  
In the case of vapour formation use a respirator with an approved filter.

### 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  
Wear face-shield and protective suit for abnormal processing problems.

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 : Avoid contact with skin, eyes and clothing.  
When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and immediately after handling the product.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid  
Colour : yellow  
Odour : mild  
Odour Threshold : No data available  
pH : 7 @ 20 - 25 °C (68 - 77 °F)

Freezing Point (Melting point/freezing point) : 6.1 - 7.8 °C (43.0 - 46.0 °F)  
Boiling Point (Boiling point/boiling range) : > 250 °C (> 482 °F)  
Decomposition: yes

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|                                        |                                                              |
|----------------------------------------|--------------------------------------------------------------|
| Flash point                            | : 197 °C (387 °F)<br>Method: closed cup                      |
| Evaporation rate                       | : No data available                                          |
| Flammability (solid, gas)              | : No data available                                          |
| Upper explosion limit                  | : No data available                                          |
| Lower explosion limit                  | : No data available                                          |
| Vapour pressure                        | : < 0.01 mmHg @ 20 °C (68 °F)                                |
| Relative vapour density                | : > 1 @ 20 - 25 °C (68 - 77 °F)<br>(Air = 1.0)               |
| Relative density                       | : 1.0622 @ 20 °C (68 °F)<br>Reference substance: (water = 1) |
| Density                                | : 1.06 g/cm3 @ 20 - 25 °C (68 - 77 °F)                       |
| Solubility(ies)                        |                                                              |
| Water solubility                       | : completely soluble                                         |
| Solubility in other solvents           | : No data available                                          |
| Partition coefficient: n-octanol/water | : log Pow: 2.1 - 3.4                                         |
| Auto-ignition temperature              | : No data available                                          |
| Thermal decomposition                  | : No data available                                          |
| Viscosity                              |                                                              |
| Viscosity, kinematic                   | : 237 mm2/s @ 25 °C (77 °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 hazards to be specially mentioned.                          |
| Conditions to avoid                | : Keep away from heat, flame, sparks and other ignition sources. |
| Incompatible materials             | : Strong acids<br>Strong bases<br>Strong oxidizing agents        |
| Hazardous decomposition products   | : Carbon oxides<br>Aldehydes<br>Ketones                          |

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

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**Product:**

- Acute oral toxicity : LD50 (Rat): 960 - 3,980 mg/kg  
Assessment: The component/mixture is moderately toxic after single ingestion.
- Acute inhalation toxicity : Assessment: The component/mixture is moderately toxic after short term inhalation.
- Acute dermal toxicity : LD50 (Rabbit): 2,000 - 2,991 mg/kg  
Assessment: The component/mixture is minimally toxic after single contact with skin.

**Components:****127087-87-0:**

- Acute oral toxicity : LD50 (Rat): < 5,000 mg/kg  
Assessment: The component/mixture is moderately toxic after single ingestion.

**Skin corrosion/irritation****Components:****127087-87-0:**

Result: Irritating to skin.

**Serious eye damage/eye irritation****Components:****127087-87-0:**

Result: Risk of serious damage to eyes.

**9014-93-1:**

Species: Rabbit

Result: Irritating to eyes.

**Carcinogenicity****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.

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

Remarks: No data available

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Product:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 3.8 - 6.2 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : LC50 (Daphnia magna (Water flea)): 9.3 - 21.4 mg/l  
aquatic invertebrates Exposure time: 48 h

Acute aquatic toxicity- As- : Toxic to aquatic life.  
essment

Chronic aquatic toxicity- As- : Toxic to aquatic life with long lasting effects.  
essment

**Components:****127087-87-0:**

Acute aquatic toxicity- As- : This product has no known ecotoxicological effects.  
essment

Chronic aquatic toxicity- As- : Toxic to aquatic life with long lasting effects.  
assessment

**Persistence and degradability****Components:****25322-68-3:****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 : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Toxic to aquatic life with long lasting effects.

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### 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):

UN3082, Environmentally hazardous substances, liquid, n.o.s., (NONYLPHENOL POLYETHYLENE GLYCOL ETHER), 9, III, Marine Pollutant (NONYLPHENOL POLYETHYLENE GLYCOL ETHER)

#### IATA (International Air Transport Association):

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (NONYLPHENOL POLYETHYLENE GLYCOL ETHER), 9, III

#### IMDG (International Maritime Dangerous Goods):

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (NONYLPHENOL POLYETHYLENE GLYCOL ETHER), 9, III, Marine Pollutant (NONYLPHENOL POLYETHYLENE GLYCOL ETHER), Flash Point:197 °C(387 °F)

#### Special Notes:

- : This material is shipped as a Class 9, Packing Group III (Marine Pollutant) when each package meets or exceeds 450 Liters (119 gallons) and is shipped via marine, if they are in transport solely on land by road vehicle or railway vehicle it may be shipped as not regulated. (TDG 1.45.1)  
, This material is shipped by DOT as a Class 9, Packing Group III (Marine Pollutant) when in bulk packaging, otherwise it may be shipped as not regulated.

### 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) |
|----------------|----------|--------------------|-----------------------------|
| Ethylene oxide | 75-21-8  | 10                 | 50251                       |
| 1,4-Dioxane    | 123-91-1 | 100                | *                           |

\*: Calculated RQ exceeds reasonably attainable upper limit.

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#### SARA 304 Extremely Hazardous Substances Reportable Quantity

| Components     | CAS-No. | Component RQ<br>(lbs) | Calculated product RQ<br>(lbs) |
|----------------|---------|-----------------------|--------------------------------|
| Ethylene oxide | 75-21-8 | 10                    | 50251                          |

**SARA 311/312 Hazards** : Acute toxicity (any route of exposure)  
Serious eye damage or eye irritation

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**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).

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

25322-68-3 Polyethylene glycol

#### Clean Water Act

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

64-19-7 Acetic acid

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

64-19-7 Acetic acid

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

#### Massachusetts Right To Know

123-91-1 1,4-Dioxane

75-21-8 Ethylene oxide

#### Pennsylvania Right To Know

127087-87-0 Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched

25322-68-3 Polyethylene glycol

123-91-1 1,4-Dioxane

64-19-7 Acetic acid

75-21-8 Ethylene oxide

#### California Prop 65

**⚠ WARNING:** This product can expose you to chemicals including 1,4-Dioxane, Ethylene oxide, which is/are known to the State of California to cause cancer, and Ethylene oxide, which is/are known to the State of California to cause 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 : On TSCA Inventory

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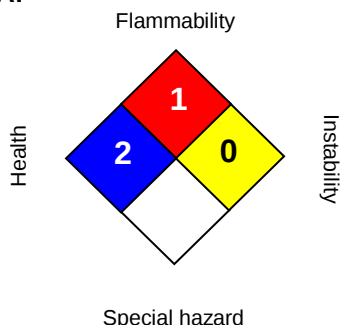
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|       |                                                          |
|-------|----------------------------------------------------------|
| DSL   | : All components of this product are on the Canadian DSL |
| AICS  | : On the inventory, or in compliance with the inventory  |
| NZIoC | : On the inventory, or in compliance with the inventory  |
| 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  |

#### SECTION 16. 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](mailto:SDSNA@univarsolutions.com).

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##### Material number:

16137423, 16147638, 16143285, 16140700, 87346, 744469, 689056, 576595, 88446, 105855, 73355, 88623, 57798, 106114, 88823, 20668

| Key or legend to abbreviations and acronyms used in the safety data sheet |                                                         |       |                                |
|---------------------------------------------------------------------------|---------------------------------------------------------|-------|--------------------------------|
| ACGIH                                                                     | American Conference of Government Industrial Hygienists | LD50  | Lethal Dose 50%                |
| AICS                                                                      | Australia, Inventory of Chemical                        | LOAEL | Lowest Observed Adverse Effect |

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|        | Substances                                               |       | 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%                                 |       |                                                                                      |