# Safety Data Sheet

**acc. to 29 CFR 1910.1200 App D**

# Barsol A-5259

Version number: GHS 4.0
Replaces version of: 2016-06-30 (3)

Revision: 2025-09-11

## SECTION 1: Identification

### 1.1 Product identifier

| | |
|---|---|
| Trade name | **Barsol A-5259** |
| CAS number | Mixture |
| Product code(s) | 2300633 |

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

| | |
|---|---|
| Relevant identified uses | Industrial use |

### 1.3 Details of the supplier of the safety data sheet

Barton Solvents, Inc
1920 NE Broadway P.O. BOX 221
Des Moines Iowa 50306-0221
United States

Telephone: +1 (515) 265-7998
Website: https://www.barsol.com/

### 1.4 Emergency telephone number

| | |
|---|---|
| Emergency information service | CHEMTREC (800) 424-9300 (AVAILABLE 24 HOURS A DAY) |

## SECTION 2: Hazard(s) identification

### 2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

| Section | Hazard class | Category | Hazard class and category | Hazard statement |
|---|---|---|---|---|
| A.2 | skin corrosion/irritation | 2 | Skin Irrit. 2 | H315 |
| A.3 | serious eye damage/eye irritation | 1 | Eye Dam. 1 | H318 |
| A.6 | carcinogenicity | 2 | Carc. 2 | H351 |
| A.8D | specific target organ toxicity - single exposure (narcotic effects, drowsiness) | 3 | STOT SE 3 | H336 |
| A.10 | aspiration hazard | 1 | Asp. Tox. 1 | H304 |
| B.6 | flammable liquid | 4 | Flam. Liq. 4 | H227 |

### 2.2 Label elements

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

- Signal word **Danger**

- Pictograms

GHS05, GHS07, GHS08

- Hazard statements

| | |
|---|---|
| H227 | Combustible liquid. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H336 | May cause drowsiness or dizziness. |
| H351 | Suspected of causing cancer. |

- Additional statements

0 % of the mixture consists of ingredient(s) of unknown toxicity (acute oral toxicity). 0 % of the mixture consists of ingredient(s) of unknown toxicity (acute dermal toxicity). 0 % of the mixture consists of ingredient(s) of unknown toxicity (acute inhalative toxicity).

- Precautionary statements

| | |
|---|---|
| P201 | Obtain special instructions before use. |
| P210 | Keep away from heat/sparks/open flames/hot surfaces. No smoking. |
| P261 | Avoid breathing dust/fume/gas/mist/vapors/spray. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P280 | Wear protective gloves/eye protection/face protection. |
| P301+P310 | If swallowed: Immediately call a poison center/doctor. |
| P302+P352 | If on skin: Wash with plenty of water. |
| P304+P340 | If inhaled: Remove person to fresh air and keep comfortable for breathing. |
| P305+P351+P338 | If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P321 | Specific treatment (see on this label). |
| P331 | Do NOT induce vomiting. |
| P362 | Take off contaminated clothing and wash before reuse. |
| P370+P378 | In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish. |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P403+P235 | Store in a well-ventilated place. Keep cool. |
| P405 | Store locked up. |
| P501 | Dispose of contents/container to industrial combustion plant. |

- Hazardous ingredients for labelling — Naphthalene, Solvent naphtha (petroleum), heavy arom., 4-Nonylphenol, branched, ethoxylated, 1,2,4-trimethylbenzene

## 2.3 Other hazards

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of ≥ 0.1%.

Endocrine disrupting properties

Contains an endocrine disruptor (ED) in a concentration of ≥ 0.1%.

# SECTION 3: Composition/information on ingredients

## 3.1 Substances

Identifiers

CAS No — Mixture

## 3.2 Mixtures

| Name of substance | Identifier | Wt% |
|---|---|---|
| Solvent naphtha (petroleum), heavy arom. | CAS No 64742-94-5 | 30 – < 60 |
| 1,4-bis(propan-2-yl)benzene; 7,7-dimethylhexadecane; octadecane | CAS No 64742-47-8 | 30 – < 60 |
| 2-{2-[2-(4-nonylphenoxy)ethoxy]ethoxy}ethan-1-ol | CAS No 127087-87-0 | 5 – < 10 |
| 2-butoxyethanol | CAS No 111-76-2 | 5 – < 10 |
| naphthalene | CAS No 91-20-3 | 1 – < 5 |
| 1,2,4-trimethylbenzene | CAS No 95-63-6 | 0 – < 1 |

## SECTION 4: First-aid measures

### 4.1 Description of first-aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

### 4.2 Most important symptoms and effects, both acute and delayed

Narcotic effects.

### 4.3 Indication of any immediate medical attention and special treatment needed

none

## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

Suitable extinguishing media

Water spray, Alcohol resistant foam, BC-powder, Carbon dioxide (CO2)

Unsuitable extinguishing media

Water jet

### 5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Hazardous combustion products

Carbon monoxide (CO), Carbon dioxide (CO2)

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

### 6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. **Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Restrict flow velocity.** Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapors are heavier than air, spread along floors and form explosive mixtures with air. Vapors may form explosive mixtures with air.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

### 7.2 Conditions for safe storage, including any incompatibilities

"Empty" containers retain residue and may be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or ex-

pose such containers to heat, flame, sparks or other ignition. They may explode and cause injury or death. "Empty" drums should be completely drained, properly bunged, and promptly shipped to the supplier or drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. .

Managing of associated risks

- Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

- Ventilation requirements

Use local and general ventilation. Ground/bond container and receiving equipment.

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)

| Country | Name of agent | CAS No | Identifier | TWA [ppm] | TWA [mg/m³] | STEL [ppm] | STEL [mg/m³] | Ceiling-C [ppm] | Ceiling-C [mg/m³] | Notation | Source |
|---|---|---|---|---|---|---|---|---|---|---|---|
| US | 2-butoxyethanol | 111-76-2 | TLV® | 20 | 97 | | | | | | ACGIH® 2025 |
| US | 2-butoxyethanol | 111-76-2 | REL | 5 (10 h) | 24 (10 h) | | | | | H | NIOSH REL |
| US | 2-butoxyethanol | 111-76-2 | PEL | 50 | 240 | | | | | H | 29 CFR 1910.1000 |
| US | naphthalene | 91-20-3 | REL | 10 (10 h) | 50 (10 h) | 15 | 75 | | | | NIOSH REL |
| US | naphthalene | 91-20-3 | PEL | 10 | 50 | | | | | | 29 CFR 1910.1000 |
| US | naphthalene | 91-20-3 | TLV® | 10 | 52 | | | | | H | ACGIH® 2025 |
| US | 1,2,4-trimethylbenzene | 95-63-6 | REL | 25 (10 h) | 125 (10 h) | | | | | | NIOSH REL |
| US | 1,2,4-trimethylbenzene | 95-63-6 | TLV® | 10 | | | | | | | ACGIH® 2025 |

Notation

| | |
|---|---|
| Ceiling-C | ceiling value is a limit value above which exposure should not occur |
| H | absorbed through the skin |
| STEL | short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified) |
| TWA | time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified |

| Biological limit values | | | | | | |
|---|---|---|---|---|---|---|
| Country | Name of agent | Parameter | Nota-tion | Identifier | Value | Source |
| US | 2-butoxyethanol (EGBE) | Butoxyacetic acid (BAA) | crea, crea-limit3c | BEI® | 200 mg/g | ACGIH® 2025 |

Notation

crea creatinine
crea-limit3c acceptable limits on urine specimens: creatinine concentration: >0.3 g/L and <3.0 g/L, specific gravity:>1.010 and <1.030

### 8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Appearance**

| | |
|---|---|
| Physical state | liquid |
| Color | Colorless |

| | |
|---|---|
| Odor | characteristic |

**Other safety parameters**

| | |
|---|---|
| pH (value) | not determined |
| Melting point/freezing point | not determined |
| Initial boiling point and boiling range | 170 °C |
| Flash point | <93.33 °C |
| Evaporation rate | Not determined |

| | |
|---|---|
| Flammability (solid, gas) | not relevant, (fluid) |

Explosive limits

| | |
|---|---|
| - Lower explosion limit (LEL) | 0.8 vol% |
| - Upper explosion limit (UEL) | 10.6 vol% |
| Vapor pressure | not determined |
| Density | 7.2 $^{lb}/_{gal}$ |
| Vapor density | this information is not available |
| Relative density | 0.864 (water = 1) |
| Solubility(ies) | not determined |

Partition coefficient

| | |
|---|---|
| - n-octanol/water (log KOW) | this information is not available |
| Auto-ignition temperature | 220 °C |
| Viscosity | not determined |
| Explosive properties | none |
| Oxidizing properties | none |
| **9.2 Other information** | there is no additional information |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s). Risk of ignition.

If heated:

Risk of ignition

### 10.2 Chemical stability

See below "Conditions to avoid".

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

### 10.5 Incompatible materials

Oxidizers

### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

**Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)**

Acute toxicity

Shall not be classified as acutely toxic.

- Acute toxicity estimate (ATE)
Inhalation: vapor >6.875 $^{mg}/_{l}$/4h

Acute toxicity estimate (ATE) of components of the mixture

| Name of substance | CAS No | Exposure route | ATE |
|---|---|---|---|
| Distillates (petroleum), hydrotreated light | 64742-47-8 | inhalation: vapor | >11 $^{mg}/_{l}$/4h |
| 2-butoxyethanol | 111-76-2 | oral | 1,414 $^{mg}/_{kg}$ |
| 2-butoxyethanol | 111-76-2 | dermal | 1,100 $^{mg}/_{kg}$ |
| 2-butoxyethanol | 111-76-2 | inhalation: vapor | 11 $^{mg}/_{l}$/4h |
| 2-butoxyethanol | 111-76-2 | inhalation: dust/mist | >3.9 $^{mg}/_{l}$/4h |
| 4-Nonylphenol, branched, ethoxylated | 127087-87-0 | oral | 960 $^{mg}/_{kg}$ |
| 4-Nonylphenol, branched, ethoxylated | 127087-87-0 | inhalation: vapor | 11 $^{mg}/_{l}$/4h |
| 4-Nonylphenol, branched, ethoxylated | 127087-87-0 | inhalation: dust/mist | 1.15 $^{mg}/_{l}$/4h |
| Naphthalene | 91-20-3 | oral | 710 $^{mg}/_{kg}$ |
| Naphthalene | 91-20-3 | inhalation: vapor | >0.4 $^{mg}/_{l}$/4h |
| Naphthalene | 91-20-3 | inhalation: dust/mist | >0.005 $^{mg}/_{l}$/4h |
| 1,2,4-trimethylbenzene | 95-63-6 | inhalation: vapor | 11 $^{mg}/_{l}$/4h |

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitization

Shall not be classified as a respiratory or skin sensitizer.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Suspected of causing cancer.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

| Name of substance | CAS No | Classification | Number |
|---|---|---|---|
| Naphthalene | 91-20-3 | 2B | |
| 2-butoxyethanol | 111-76-2 | 3 | |

Legend

| | |
|---|---|
| 2B | Possibly carcinogenic to humans |
| 3 | Not classifiable as to carcinogenicity in humans |

National Toxicology Program (United States): Report on Carcinogens

| Name of substance | CAS No | Classification | Number |
|---|---|---|---|
| Naphthalene | 91-20-3 | Reasonably anticipated to be a human carcinogen | 11th Report on Carcinogens |

### Reproductive toxicity
Shall not be classified as a reproductive toxicant.

### Specific target organ toxicity - single exposure
May cause drowsiness or dizziness.

### Specific target organ toxicity - repeated exposure
Shall not be classified as a specific target organ toxicant (repeated exposure).

### Aspiration hazard
May be fatal if swallowed and enters airways.

## SECTION 12: Ecological information

### 12.1 Toxicity
Shall not be classified as hazardous to the aquatic environment.

### 12.2 Persistence and degradability
Data are not available.

### 12.3 Bioaccumulative potential
Data are not available.

### 12.4 Mobility in soil
Data are not available.

### 12.5 Results of PBT and vPvB assessment
Does not contain a PBT-/vPvB-substance at a concentration of ≥ 0.1%.

### 12.6 Endocrine disrupting properties
Contains an endocrine disruptor (ED) in a concentration of ≥ 0.1%.

### 12.7 Other adverse effects
Data are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Waste treatment-relevant information
Solvent reclamation/regeneration.

#### Sewage disposal-relevant information
Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

#### Waste treatment of containers/packages
Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Remarks
Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be

handled separately by the local or national waste management facilities.

## SECTION 14: Transport information

### 14.1 UN/NA Number

DOT — NA 1993

### 14.2 UN proper shipping name

DOT — Combustible liquid, n.o.s. (Petroleum Distillates, Ethylene Glycol Butyl Ether)

### 14.3 Transport hazard class(es)

DOT — Combustible

### 14.4 Packing group

DOT — III

### 14.5 Environmental hazards

non-environmentally hazardous acc. to the dangerous goods regulations

### 14.6 Remarks

Non-bulk packages (less than or equal to 119 gal) of combustible liquids are not regulated as hazardous materials.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations specific for the product in question

**Relevant provisions of the European Union (EU)**

**Restrictions according to REACH, Annex XVII**

Dangerous substances with restrictions (REACH, Annex XVII)

| Name of substance | Name acc. to inventory | CAS No | Restriction | No |
|---|---|---|---|---|
| 4-Nonylphenol, branched, ethoxylated | nonylphenol ethoxylates | 9016-45-9 | R46 | 46b |
| 4-Nonylphenol, branched, ethoxylated | nonylphenol ethoxylates (NPE) | 9016-45-9 | R46a2 | 46a(2) |

Legend

R46 Shall not be placed on the market, or used, as substances or in mixtures in concentrations equal to or greater than 0,1 % by weight for the following purposes:
(1) industrial and institutional cleaning except:
- controlled closed dry cleaning systems where the washing liquid is recycled or incinerated,
- cleaning systems with special treatment where the washing liquid is recycled or incinerated.
(2) domestic cleaning;
(3) textiles and leather processing except:
- processing with no release into waste water,
- systems with special treatment where the process water is pre-treated to remove the organic fraction completely prior to biological waste water treatment (degreasing of sheepskin);
(4) emulsifier in agricultural teat dips;
(5) metal working except:
uses in controlled closed systems where the washing liquid is recycled or incinerated;
(6) manufacturing of pulp and paper;
(7) cosmetic products;
(8) other personal care products except:
spermicides;
(9) co-formulants in pesticides and biocides. However national authorisations for pesticides or biocidal products containing nonylphenol ethoxylates as co-formulant, granted before 17 July 2003, shall not be affected by this restriction until their date of expiry.

R46a2 1. Shall not be placed on the market after 3 February 2021 in textile articles which can reasonably be expected to be washed in water during their normal lifecycle, in concentrations equal to or greater than 0,01 % by weight of that textile article or of each part of the textile article.
2. Paragraph 1 shall not apply to the placing on the market of second-hand textile articles or of new textile articles produced, without the use of NPE, exclusively from recycled textiles.
3. For the purposes of paragraphs 1 and 2, “textile article” means any unfinished, semi-finished or finished product which is composed of at least 80 % textile fibres by weight, or any other product that contains a part which is composed of at least 80 % textile

Legend

fibres by weight, including products such as clothing, accessories, interior textiles, fibres, yarn, fabrics and knitted panels.

## List of substances subject to authorization (REACH, Annex XIV) / SVHC - candidate list

Substance of Very High Concern (SVHC)

| Name acc. to inventory | CAS No | Listed in | Remarks |
|---|---|---|---|
| 4-nonylphenol, branched and linear, ethoxylated | | Annex XIV | EDP (57f-env)<br>rem-43 |

Legend

| | |
|---|---|
| Annex XIV | List of substances subject to authorisation |
| EDP (57f-env) | Endocrine disrupting potential (article 57(f) - environment) |
| rem-43 | Substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof |

## Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

none of the ingredients are listed

## Regulation concerning the export and import of hazardous chemicals (PIC)

Chemicals subject to the international prior informed consent (PIC) procedure (the 'PIC procedure').

| Name of substance | CAS No | Category / subcategory | Use limitation |
|---|---|---|---|
| 4-Nonylphenol, branched, ethoxylated | 127087-87-0 | i(1)<br>i(2)<br>p(1)<br>p(2) | sr<br>sr<br>b<br>b |
| 4-Nonylphenol, branched, ethoxylated | 127087-87-0 | i<br>p | sr<br>b |

Legend

| | |
|---|---|
| b | Use limitation: ban (for the sub-category or sub-categories concerned) according to Union legislation |
| i | Category: i - industrial chemical |
| i(1) | Sub-category: i(1) - industrial chemical for professional use |
| i(2) | Sub-category: i(2) - industrial chemical for public use |
| p | Category: p - pesticides |
| p(1) | Sub-category: p(1) - pesticide in the group of plant protection products |
| p(2) | Sub-category: p(2) - other pesticide including biocides |
| sr | Use limitation: severe restriction (for the sub-category or sub-categories concerned) according to Union legislation |

## Regulation on persistent organic pollutants (POP)

none of the ingredients are listed

## Persistent organic pollutants (POP)

Not listed.

## National regulations (United States)

**Toxic Substance Control Act (TSCA)** all ingredients are listed (ACTIVE) or exempt from listing

## Superfund Amendment and Reauthorization Act (SARA TITLE III )

- The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304)

none of the ingredients are listed

- Specific Toxic Chemical Listings (EPCRA Section 313)

| Toxics Release Inventory: Specific Toxic Chemical Listings | | | |
|---|---|---|---|
| **Name of substance** | **CAS No** | **Remarks** | **Effective date** |
| 1,2,4-trimethylbenzene | 95-63-6 | | 1987-01-01 |
| Naphthalene | 91-20-3 | | 1987-01-01 |

### Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

- List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4)

| Name of substance | CAS No | Remarks | Statutory code | Final RQ pounds (Kg) |
|---|---|---|---|---|
| Naphthalene | 91-20-3 | | 1<br>2<br>3<br>4 | 100 (45,4) |

Legend

1 "1" indicates that the statutory source is section 311(b)(2) of the Clean Water Act
2 "2" indicates that the source is section 307(a) of the Clean Water Act
3 "3" indicates that the source is section 112 of the Clean Air Act
4 "4" indicates that the source is section 3001 of the Resource Conservation and Recovery Act (RCRA)

### Right to Know Hazardous Substance List

- Toxic or Hazardous Substance List (MA-TURA)

not all ingredients are listed. Listed in: 1,2,4-trimethylbenzene, Naphthalene, 2-butoxyethanol, 4-Nonylphenol, branched, ethoxylated. Not listed: Solvent naphtha (petroleum), heavy arom., Distillates (petroleum), hydrotreated light

- Hazardous Substances List (MN-ERTK)

not all ingredients are listed. Listed in: 1,2,4-trimethylbenzene, Naphthalene, 2-butoxyethanol. Not listed: Solvent naphtha (petroleum), heavy arom., Distillates (petroleum), hydrotreated light, 4-Nonylphenol, branched, ethoxylated

- Hazardous Substance List (NJ-RTK)

not all ingredients are listed. Listed in: 1,2,4-trimethylbenzene, Naphthalene, 2-butoxyethanol. Not listed: Solvent naphtha (petroleum), heavy arom., Distillates (petroleum), hydrotreated light, 4-Nonylphenol, branched, ethoxylated

- Hazardous Substance List (Chapter 323) (PA-RTK)

not all ingredients are listed. Listed in: 1,2,4-trimethylbenzene, Naphthalene, 2-butoxyethanol. Not listed: Solvent naphtha (petroleum), heavy arom., Distillates (petroleum), hydrotreated light, 4-Nonylphenol, branched, ethoxylated

- Hazardous Substance List (RI-RTK)

not all ingredients are listed. Listed in: 1,2,4-trimethylbenzene, Naphthalene, 2-butoxyethanol. Not listed: Solvent naphtha (petroleum), heavy arom., Distillates (petroleum), hydrotreated light, 4-Nonylphenol, branched, ethoxylated

### California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

⚠ **WARNING**: This product can expose you to chemicals including naphthalene, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

| Name acc. to inventory | CAS No | Type of the toxicity |
|---|---|---|
| naphthalene | 91-20-3 | cancer |

### Industry or sector specific available guidance(s)

### NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

| Category | Rating | Description |
|---|---|---|
| Chronic | * | chronic (long-term) health effects may result from repeated overexposure |
| Health | 2 | temporary or minor injury may occur |
| Flammability | 2 | material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur |
| Physical hazard | 0 | material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive |
| Personal protection | - | |

### NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

| Category | Degree of hazard | Description |
|---|---|---|
| Flammability | 2 | material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur |
| Health | 2 | material that, under emergency conditions, can cause temporary incapacitation or residual injury |
| Instability | 0 | material that is normally stable, even under fire conditions |
| Special hazard | | |

## National inventories

| Country | Inventory | Status |
|---|---|---|
| AU | AIIC | all ingredients are listed |
| CA | DSL | all ingredients are listed |
| CN | IECSC | all ingredients are listed |
| EU | ECSI | all ingredients are listed |
| EU | REACH Reg. | all ingredients are listed |
| JP | CSCL-ENCS | not all ingredients are listed |
| KR | KECI | all ingredients are listed |
| MX | INSQ | not all ingredients are listed |
| NZ | NZIoC | all ingredients are listed |
| PH | PICCS | all ingredients are listed |
| TR | CICR | all ingredients are listed |
| TW | TCSI | all ingredients are listed |
| US | TSCA | all ingredients are listed (ACTIVE) |

Legend

| | |
|---|---|
| AIIC | Australian Inventory of Industrial Chemicals |
| CICR | Chemical Inventory and Control Regulation |
| CSCL-ENCS | List of Existing and New Chemical Substances (CSCL-ENCS) |
| DSL | Domestic Substances List (DSL) |
| ECSI | EC Substance Inventory (EINECS, ELINCS, NLP) |
| IECSC | Inventory of Existing Chemical Substances Produced or Imported in China |
| INSQ | National Inventory of Chemical Substances |
| KECI | Korea Existing Chemicals Inventory |

Legend

| | |
|---|---|
| NZIoC | New Zealand Inventory of Chemicals |
| PICCS | Philippine Inventory of Chemicals and Chemical Substances (PICCS) |
| REACH Reg. | REACH registered substances |
| TCSI | Taiwan Chemical Substance Inventory |
| TSCA | Toxic Substance Control Act |

### 15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information, including date of preparation or last revision

### Indication of changes (revised safety data sheet)

MSDS Update 12/15/11; GHS Update 10/7/14; Composition Update 6/30/16; Format, Properties Update 09/11/2025.

### Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.
Transport of dangerous goods by road or rail (49 CFR US DOT).

### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.