



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Nu Finish - Once A Year Car Polish (Effective 8/14/20)

Version number: 4.0  
Replaces version of: 2020-08-14 (3)

Revision: 2020-10-21

### SECTION 1: Identification

#### 1.1 Product identifier

Trade name **Nu Finish - Once A Year Car Polish (Effective 8/14/20)**

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

Relevant identified uses **General use**

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

Energizer Manufacturing, Inc.  
25225 Detroit Rd.  
Westlake OH 44145  
United States

Telephone: 800-383-7323; 314-985-2000 (USA / CANADA)  
Website: <http://data.energizer.com>

Energizer Trading Ltd.  
Sword House, Totteridge Road, High Wycombe, HP13 6DG, UK

Telephone: +44(0)8000353376  
e-mail: [ConsumerServiceEU@energizer.com](mailto:ConsumerServiceEU@energizer.com)

#### 1.4 Emergency telephone number

Emergency information service **1-314-985-1511 Int'l: 1-800-526-4727**  
This number is only available during the following office hours: Mon-Fri 09:00 AM - 05:00 PM

### 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.4S    | skin sensitization                                 | 1        | Skin Sens. 1              | H317             |
| A.5     | germ cell mutagenicity                             | 1B       | Muta. 1B                  | H340             |
| A.6     | carcinogenicity                                    | 1A       | Carc. 1A                  | H350             |
| A.9     | specific target organ toxicity - repeated exposure | 2        | STOT RE 2                 | H373             |
| A.10    | aspiration hazard                                  | 1        | Asp. Tox. 1               | H304             |
| B.6     | flammable liquid                                   | 4        | Flam. Liq. 4              | H227             |

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For full text of abbreviations: see SECTION 16.

### The most important adverse physicochemical, human health and environmental effects

Delayed or immediate effects can be expected after short or long-term exposure. The product is combustible and can be ignited by potential ignition sources. The mixture contains a substance that was identified as a PBT (persistent, bioaccumulative and toxic). The mixture contains a substance that was identified as vPvB (very persistent and very bioaccumulative).

## 2.2 Label elements

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

- Signal word                    danger

- Pictograms

GHS07, GHS08



- Hazard statements

|      |   |
|------|---|
| H227 | Combustible liquid.   |
| H304 | May be fatal if swallowed and enters airways.                                       |
| H317 | May cause an allergic skin reaction.  |
| H340 | May cause genetic defects.  |
| H350 | May cause cancer.   |
| H373 | May cause damage to organs (nervous system) through prolonged or repeated exposure. |

- Precautionary statements

|           |   |
|-----------|---|
| P101      | If medical advice is needed, have product container or label at hand.                               |
| P102      | Keep out of reach of children.  |
| P202      | Do not handle until all safety precautions have been read and understood.                           |
| P210      | Keep away from heat/sparks/open flames/hot surfaces. No smoking.                                    |
| P260      | Do not breathe dust/fume/gas/mist/vapors/spray.   |
| P272      | Contaminated work clothing must not be allowed out of the workplace.                                |
| 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.  |
| P308+P313 | If exposed or concerned: Get medical advice/attention.  |
| P314      | Get medical advice/attention if you feel unwell.  |
| P321      | Specific treatment (see on this label).   |
| P331      | Do NOT induce vomiting.   |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention.                                    |
| P363      | Wash contaminated clothing before reuse.  |
| P370+P378 | In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.                     |
| P403+P235 | Store in a well-ventilated place. Keep cool.  |
| P405      | Store locked up.  |
| P501      | Dispose of contents/container in accordance with local/regional/national/international regulations. |

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### 2.2.1.7- Hazardous ingredients for labelling

Naphtha (petroleum), hydrotreated light, Distillates (petroleum), hydrotreated light, 1,2-Benzisothiazolin-3-one, Light aromatic hydrocarbons

### 2.3 Other hazards

This material is combustible, but will not ignite readily. Special danger of slipping by leaking/spilling product.

Hazards not otherwise classified

May be harmful if inhaled (GHS category 5: acutely toxic - inhalation).

Harmful to aquatic life with long lasting effects (GHS category 3: aquatic toxicity - acute and/or chronic).

Results of PBT and vPvB assessment

Containing a PBT-/vPvB-substance in a concentration of  $\geq 0,1\%$ . Containing a PBT-substance in a concentration of  $\geq 0,1\%$ .  
Containing a vPvB-substance in a concentration of  $\geq 0,1\%$ .

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not relevant (mixture)

### 3.2 Mixtures

Description of the mixture

| Name of substance                             | Identifier           | Wt%       | Classification acc. to GHS   | Pictograms |
|---|----------------------|-----------|--|------------|
| Distillates (petroleum), hydrotreated light   | CAS No<br>64742-47-8 | 10 - < 25 | Acute Tox. 3 / H331<br>STOT SE 3 / H336<br>STOT RE 2 / H373<br>Asp. Tox. 1 / H304<br>Flam. Liq. 3 / H226     |            |
| Naphtha (petroleum), hydrotreated light       | CAS No<br>64742-49-0 | 5 - < 10  | Muta. 1B / H340<br>Carc. 1A / H350<br>Asp. Tox. 1 / H304<br>Flam. Liq. 1 / H224                              |            |
| Amides, tall-oil fatty, N,N-bis(hydroxyethyl) | CAS No<br>68155-20-4 | 1 - < 5   | Flam. Liq. 4 / H227  |            |
| Light aromatic hydrocarbons                   | CAS No<br>8052-41-3  | < 1       | Acute Tox. 3 / H331<br>Skin Irrit. 2 / H315<br>STOT RE 1 / H372<br>Asp. Tox. 1 / H304<br>Flam. Liq. 3 / H226 |            |
| 1,2-Benzisothiazolin-3-one                    | CAS No<br>2634-33-5  | < 1       | Acute Tox. 4 / H302<br>Skin Irrit. 2 / H315<br>Eye Dam. 1 / H318<br>Skin Sens. 1 / H317                      |            |

For full text of abbreviations: see SECTION 16.



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#### 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. 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

Symptoms and effects are not known to date.

##### 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, BC-powder, Carbon dioxide (CO<sub>2</sub>)

###### 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. 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

Nitrogen oxides (NO<sub>x</sub>), Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

##### 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.



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#### 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. 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.



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### 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

#### 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.

#### Control of the effects

#### Protect against external exposure, such as

Frost

#### - Ventilation requirements

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

### 7.3 Specific end use(s)

See section 16 for a general overview.

## 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/m <sup>3</sup> ] | STEL [ppm] | STEL [mg/m <sup>3</sup> ] | Ceiling-C [ppm] | Ceiling-C [mg/m <sup>3</sup> ] | Notation       | Source           |
| US   | titanium dioxide | 13463-67-7 | TLV®       |           | 10                       |            |                           |                 |                                |                | AC-GIH® 2019     |
| US   | titanium dioxide | 13463-67-7 | PEL        |           | 15                       |            |                           |                 |                                | i, dust        | 29 CFR 1910.1000 |
| US   | titanium dioxide | 13463-67-7 | REL        |           |                          |            |                           |                 |                                | lowest, appx-A | NIOSH REL        |



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### Occupational exposure limit values (Workplace Exposure Limits)

| Country | Name of agent    | CAS No    | Identifier | TWA [ppm] | TWA [mg/m <sup>3</sup> ] | STEL [ppm] | STEL [mg/m <sup>3</sup> ] | Ceiling-C [ppm] | Ceiling-C [mg/m <sup>3</sup> ] | Notation | Source           |
|---------|------------------|-----------|------------|-----------|--------------------------|------------|---------------------------|-----------------|--------------------------------|----------|------------------|
| US      | stoddard solvent | 8052-41-3 | PEL (CA)   | 100       | 525                      |            |                           |                 |                                |          | Cal/OSHA PEL     |
| US      | stoddard solvent | 8052-41-3 | REL        |           | 350 (10 h)               |            |                           |                 | 1,800 (15 min)                 |          | NIOSH REL        |
| US      | stoddard solvent | 8052-41-3 | TLV®       | 100       |                          |            |                           |                 |                                |          | AC-GIH® 2019     |
| US      | stoddard solvent | 8052-41-3 | PEL        | 500       | 2,900                    |            |                           |                 |                                |          | 29 CFR 1910.1000 |

#### Notation

appx-A NIOSH Potential Occupational Carcinogen (Appendix A)  
 Ceiling-C ceiling value is a limit value above which exposure should not occur  
 dust as dust  
 i inhalable fraction  
 lowest exposure by all routes should be carefully controlled to levels as low as possible  
 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)

### Relevant DNELs of components of the mixture

| Name of substance                             | CAS No     | End-point | Threshold level         | Protection goal, route of exposure | Used in           | Exposure time              |
|---|------------|-----------|-------------------------|------------------------------------|-------------------|----------------------------|
| Amides, tall-oil fatty, N,N-bis(hydroxyethyl) | 68155-20-4 | DNEL      | 0.705 mg/m <sup>3</sup> | human, inhalatory                  | worker (industry) | chronic - systemic effects |
| Amides, tall-oil fatty, N,N-bis(hydroxyethyl) | 68155-20-4 | DNEL      | 1 mg/kg bw/day          | human, dermal                      | worker (industry) | chronic - systemic effects |
| Light aromatic hydrocarbons                   | 8052-41-3  | DNEL      | 44 mg/m <sup>3</sup>    | human, inhalatory                  | worker (industry) | chronic - systemic effects |
| Light aromatic hydrocarbons                   | 8052-41-3  | DNEL      | 55 mg/m <sup>3</sup>    | human, inhalatory                  | worker (industry) | acute - systemic effects   |
| Light aromatic hydrocarbons                   | 8052-41-3  | DNEL      | 44 mg/m <sup>3</sup>    | human, inhalatory                  | worker (industry) | chronic - local effects    |
| Light aromatic hydrocarbons                   | 8052-41-3  | DNEL      | 55 mg/m <sup>3</sup>    | human, inhalatory                  | worker (industry) | acute - local effects      |



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### Relevant DNELs of components of the mixture

| Name of substance           | CAS No    | End-point | Threshold level        | Protection goal, route of exposure | Used in           | Exposure time              |
|-----------------------------|-----------|-----------|------------------------|------------------------------------|-------------------|----------------------------|
| Light aromatic hydrocarbons | 8052-41-3 | DNEL      | 80 mg/kg bw/day        | human, dermal                      | worker (industry) | chronic - systemic effects |
| Light aromatic hydrocarbons | 8052-41-3 | DNEL      | 30 mg/kg bw/day        | human, dermal                      | worker (industry) | acute - systemic effects   |
| 1,2-Benzisothiazolin-3-one  | 2634-33-5 | DNEL      | 6.81 mg/m <sup>3</sup> | human, inhalatory                  | worker (industry) | chronic - systemic effects |
| 1,2-Benzisothiazolin-3-one  | 2634-33-5 | DNEL      | 0.966 mg/kg bw/day     | human, dermal                      | worker (industry) | chronic - systemic effects |

### Relevant PNECs of components of the mixture

| Name of substance                             | CAS No     | End-point | Threshold level | Organism              | Environmental compartment    | Exposure time                |
|---|------------|-----------|-----------------|-----------------------|------------------------------|------------------------------|
| Amides, tall-oil fatty, N,N-bis(hydroxyethyl) | 68155-20-4 | PNEC      | 2.4 µg/l        | aquatic organisms     | freshwater                   | short-term (single instance) |
| Amides, tall-oil fatty, N,N-bis(hydroxyethyl) | 68155-20-4 | PNEC      | 0.24 µg/l       | aquatic organisms     | marine water                 | short-term (single instance) |
| Amides, tall-oil fatty, N,N-bis(hydroxyethyl) | 68155-20-4 | PNEC      | 830 mg/l        | aquatic organisms     | sewage treatment plant (STP) | short-term (single instance) |
| Amides, tall-oil fatty, N,N-bis(hydroxyethyl) | 68155-20-4 | PNEC      | 70 µg/kg        | aquatic organisms     | freshwater sediment          | short-term (single instance) |
| Amides, tall-oil fatty, N,N-bis(hydroxyethyl) | 68155-20-4 | PNEC      | 7 µg/kg         | aquatic organisms     | marine sediment              | short-term (single instance) |
| Amides, tall-oil fatty, N,N-bis(hydroxyethyl) | 68155-20-4 | PNEC      | 12.6 µg/kg      | terrestrial organisms | soil                         | short-term (single instance) |
| Light aromatic hydrocarbons                   | 8052-41-3  | PNEC      | 0.14 mg/l       | aquatic organisms     | freshwater                   | short-term (single instance) |
| Light aromatic hydrocarbons                   | 8052-41-3  | PNEC      | 0.35 mg/l       | aquatic organisms     | marine water                 | short-term (single instance) |
| Light aromatic hydrocarbons                   | 8052-41-3  | PNEC      | 1.14 mg/kg      | aquatic organisms     | freshwater sediment          | short-term (single instance) |
| Light aromatic hydrocarbons                   | 8052-41-3  | PNEC      | 0.14 mg/kg      | aquatic organisms     | marine sediment              | short-term (single instance) |
| 1,2-Benzisothiazolin-3-one                    | 2634-33-5  | PNEC      | 4.03 µg/l       | aquatic organisms     | freshwater                   | short-term (single instance) |
| 1,2-Benzisothiazolin-3-one                    | 2634-33-5  | PNEC      | 0.403 µg/l      | aquatic organisms     | marine water                 | short-term (single instance) |





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| Relevant PNECs of components of the mixture |           |           |                 |                       |                              |                              |
|---|-----------|-----------|-----------------|-----------------------|------------------------------|------------------------------|
| Name of substance                           | CAS No    | End-point | Threshold level | Organism              | Environmental compartment    | Exposure time                |
| 1,2-Benzisothiazolin-3-one                  | 2634-33-5 | PNEC      | 1.03 mg/l       | aquatic organisms     | sewage treatment plant (STP) | short-term (single instance) |
| 1,2-Benzisothiazolin-3-one                  | 2634-33-5 | PNEC      | 49.9 µg/kg      | aquatic organisms     | freshwater sediment          | short-term (single instance) |
| 1,2-Benzisothiazolin-3-one                  | 2634-33-5 | PNEC      | 4.99 µg/kg      | aquatic organisms     | marine sediment              | short-term (single instance) |
| 1,2-Benzisothiazolin-3-one                  | 2634-33-5 | PNEC      | 3 mg/kg         | terrestrial organisms | soil                         | short-term (single instance) |

### 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.



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### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

##### Appearance

|                |                |
|----------------|----------------|
| Physical state | liquid (gel)   |
| Color          | various        |
| Odor           | characteristic |

##### Other safety parameters

|   |   |
|---|---|
| pH (value)                              | not determined                                |
| Melting point/freezing point            | not determined                                |
| Initial boiling point and boiling range | -20 °C at 101.3 kPa                           |
| Flash point                             | 65 °C   |
| Evaporation rate                        | not determined                                |
| Flammability (solid, gas)               | not relevant, (fluid)                         |
| Explosive limits                        | not determined                                |
| Vapor pressure                          | 240 kPa at 37.8 °C                            |
| Density                                 | not determined                                |
| Vapor density                           | this information is not available             |
| Relative density                        | information on this property is not available |
| Solubility(ies)                         | not determined                                |

##### Partition coefficient

|                             |                                   |
|-----------------------------|-----------------------------------|
| - n-octanol/water (log KOW) | this information is not available |
|-----------------------------|-----------------------------------|



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|                           |  |
|---------------------------|--|
| Auto-ignition temperature | 220 °C (auto-ignition temperature (liquids and gases)) |
| Viscosity                 | not determined   |
| Explosive properties      | none   |
| Oxidizing properties      | none   |

### 9.2 Other information

|  |   |
|--|---|
| Temperature class (USA, acc. to NEC 500) | T2D (maximum permissible surface temperature on the equipment: 215°C) |
|--|---|

## 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.

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.



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### 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.

GHS of the United Nations, annex 4: May be harmful if inhaled.

##### 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 | 5.28 mg <sub>l</sub> /4h |
| Light aromatic hydrocarbons                 | 8052-41-3  | inhalation: vapor | 5.5 mg <sub>l</sub> /4h  |
| 1,2-Benzisothiazolin-3-one                  | 2634-33-5  | oral              | 670 mg <sub>kg</sub>     |

##### Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

##### Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

##### Respiratory or skin sensitization

May cause an allergic skin reaction.

##### Germ cell mutagenicity

May cause genetic defects.

##### Carcinogenicity

May cause cancer.

##### Reproductive toxicity

Shall not be classified as a reproductive toxicant.

##### Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

##### Specific target organ toxicity - repeated exposure

May cause damage to organs (nervous system) through prolonged or repeated exposure.



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| Hazard category | Target organ   | Exposure route |
|-----------------|----------------|----------------|
| 2               | nervous system | if exposed     |

### Aspiration hazard

May be fatal if swallowed and enters airways.

## SECTION 12: Ecological information

### 12.1 Toxicity

Harmful to aquatic life with long lasting effects.

| Aquatic toxicity (acute) of components of the mixture |            |          |             |  |               |
|---|------------|----------|-------------|--|---------------|
| Name of substance                                     | CAS No     | Endpoint | Value       | Species                                      | Exposure time |
| Distillates (petroleum), hydrotreated light           | 64742-47-8 | LL50     | 5 mg/l      | fish   | 96 h          |
| Distillates (petroleum), hydrotreated light           | 64742-47-8 | EL50     | 1.4 mg/l    | aquatic invertebrates                        | 48 h          |
| Distillates (petroleum), hydrotreated light           | 64742-47-8 | LC50     | >1,000 mg/l | rainbow trout ( <i>Oncorhynchus mykiss</i> ) | 96 h          |
| Distillates (petroleum), hydrotreated light           | 64742-47-8 | LC50     | >1,000 mg/l | goldfish ( <i>Carassius auratus</i> )        | 72 h          |
| Distillates (petroleum), hydrotreated light           | 64742-47-8 | EC50     | >1,000 mg/l | water flea ( <i>Daphnia</i> )                | 48 h          |
| Distillates (petroleum), hydrotreated light           | 64742-47-8 | EC50     | >1,000 mg/l | algae  | 72 h          |
| Amides, tall-oil fatty, N,N-bis(hydroxyethyl)         | 68155-20-4 | LC50     | 2.4 mg/l    | fish   | 96 h          |
| Amides, tall-oil fatty, N,N-bis(hydroxyethyl)         | 68155-20-4 | EC50     | 3.2 mg/l    | aquatic invertebrates                        | 48 h          |
| Amides, tall-oil fatty, N,N-bis(hydroxyethyl)         | 68155-20-4 | ErC50    | 2.9 mg/l    | algae  | 72 h          |
| Light aromatic hydrocarbons                           | 8052-41-3  | LC50     | 0.18 mg/l   | fish   | 96 h          |
| Light aromatic hydrocarbons                           | 8052-41-3  | LL50     | 41.4 mg/l   | fish   | 96 h          |
| Light aromatic hydrocarbons                           | 8052-41-3  | EL50     | 2.5 mg/l    | algae  | 96 h          |
| Light aromatic hydrocarbons                           | 8052-41-3  | EC50     | 0.58 mg/l   | algae  | 96 h          |



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### Aquatic toxicity (acute) of components of the mixture

| Name of substance          | CAS No    | Endpoint | Value     | Species               | Exposure time |
|----------------------------|-----------|----------|-----------|-----------------------|---------------|
| 1,2-Benzisothiazolin-3-one | 2634-33-5 | LC50     | 16.7 mg/l | fish                  | 96 h          |
| 1,2-Benzisothiazolin-3-one | 2634-33-5 | EC50     | 2.94 mg/l | aquatic invertebrates | 48 h          |
| 1,2-Benzisothiazolin-3-one | 2634-33-5 | ErC50    | 150 µg/l  | algae                 | 72 h          |

### Aquatic toxicity (chronic) of components of the mixture

| Name of substance                           | CAS No     | Endpoint | Value     | Species               | Exposure time |
|---|------------|----------|-----------|-----------------------|---------------|
| Distillates (petroleum), hydrotreated light | 64742-47-8 | EL50     | 0.89 mg/l | aquatic invertebrates | 21 d          |
| Light aromatic hydrocarbons                 | 8052-41-3  | EL50     | 1.19 mg/l | aquatic invertebrates | 21 d          |
| Light aromatic hydrocarbons                 | 8052-41-3  | EC50     | 0.33 mg/l | aquatic invertebrates | 21 d          |
| 1,2-Benzisothiazolin-3-one                  | 2634-33-5  | EC50     | 13 mg/l   | microorganisms        | 3 h           |

### 12.2 Persistence and degradability

Data are not available.

### 12.3 Bioaccumulative potential

The substance fulfills the very bioaccumulative criterion.

### 12.4 Mobility in soil

Data are not available.

### 12.5 Results of PBT and vPvB assessment

The mixture contains a substance that was identified as a PBT (persistent, bioaccumulative and toxic). The mixture contains a substance that was identified as vPvB (very persistent and very bioaccumulative).

### 12.6 Other adverse effects

Endocrine disrupting potential

None of the ingredients are listed.



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### 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

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 number  | not subject to transport regulations                                  |
| 14.2 | UN proper shipping name  | not assigned  |
| 14.3 | Transport hazard class(es)   | not assigned  |
| 14.4 | Packing group  | not assigned  |
| 14.5 | Environmental hazards  | non-environmentally hazardous acc. to the dangerous goods regulations |
| 14.6 | Special precautions for user                                       | There is no additional information.                                   |
| 14.7 | Transport in bulk according to Annex II of MARPOL and the IBC Code | The cargo is not intended to be carried in bulk.                      |

#### Information for each of the UN Model Regulations

DOT

#### Transport of dangerous goods by road or rail (49 CFR US DOT)

Not subject to transport regulations.

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

Not subject to IMDG.

#### International Civil Aviation Organization (ICAO-IATA/DGR)

Not subject to ICAO-IATA.



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### SECTION 15: Regulatory information

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

##### National regulations (United States)

##### 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

##### Clean Air Act

none of the ingredients are listed

##### Right to Know Hazardous Substance List

- Cleaning Product Right to Know Act Substance List (CA-RTK)

| Name of substance                             | Name acc. to inventory  | CAS No     | Functional-ity  | Authoritative Lists   |
|---|---|------------|-----------------|---|
| Water   |   | 7732-18-5  | solvents        |   |
| Distillates (petroleum), hydro-treated light  |   | 64742-47-8 | solvents        |   |
| Kaolin, calcined                              |   |            | polishing agent |   |
| Kaolin, calcined                              | Titanium dioxide (airborne, unbound particles of respirable size) | 13463-67-7 | whitener        | IARC Carcinogens - 2B<br>Prop 65                              |
| Naphtha (petroleum), hydro-treated light      | Naphtha (petroleum), hydro-treated light                          | 64742-49-0 | solvents        | EC Annex VI CMRs - Cat. 1B                                    |
| Polydimethylsiloxane                          |   | 63148-62-9 | water repellent |   |
| Amides, tall-oil fatty, N,N-bis(hydroxyethyl) |   | 68155-20-4 | surfactant      |   |
| Dimethyl siloxane                             |   | 69430-40-6 | surfactant      |   |
| Light aromatic hydrocarbons                   | Stoddard solvent  | 8052-41-3  | solvents        | ATSDR Neurotoxics<br>CWA 303(d)<br>EC Annex VI CMRs - Cat. 1B |
| Naphtha (petroleum), hydrodesulfurized heavy  | Naphtha (petroleum), hydrodesulfurized heavy                      | 64742-82-1 | solvents        | Canada PBITs<br>EC Annex VI CMRs - Cat. 1B                    |
| Smectite Clay                                 |   | 1302-78-9  | stabilizer      |   |
| Pentyl acetate                                |   | 628-63-7   | fragrance       |   |
| Isopropyl alcohol                             | Isopropanol   | 67-63-0    | diluent         | OEHHA RELS  |





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| Name of substance            | Name acc. to inventory            | CAS No    | Functional-ity | Authoritative Lists   |
|------------------------------|-----------------------------------|-----------|----------------|---|
| 1,2-Benzisothiazolin-3-one   |                                   | 2634-33-5 | preservative   |   |
| 2-Amino-2-methyl-1-propanol  |                                   | 124-68-5  | buffer         |   |
| Methanol                     | Methanol                          | 67-56-1   | impurity       | CA TACs<br>NTP OHAT - Repr. or Dev.<br>Toxicants<br>OEHHA RELs<br>Prop 65 |
| Decamethylcyclopentasiloxane | decamethylcyclopentasiloxane (D5) | 541-02-6  | emulsifier     | Canada PBiTs<br>CECBP - Priority Chemicals<br>EC PBTs                     |
| Octamethylcyclotetrasiloxane | Octamethylcyclotetrasiloxane (D4) | 556-67-2  | emulsifier     | Canada PBiTs<br>CECBP - Priority Chemicals<br>EC PBTs                     |

### - Toxic or Hazardous Substance List (MA-TURA)

| Name of substance | Name acc. to inventory                      | CAS No   | DEP CODE | PBT / HHS / LHS | PBT / HHS Thres hold | De Minimis Concentra-tion Threshold |
|-------------------|---|----------|----------|-----------------|----------------------|-------------------------------------|
| isopropyl alcohol | Isopropyl alcohol (mfg-strong acid process) | 67-63-0  |          |                 |                      | 1.0 %                               |
| pentyl acetate    | iso-Amyl acetate                            | 123-92-2 |          |                 |                      | 1.0 %                               |
| pentyl acetate    | sec-Amyl acetate                            | 626-38-0 |          |                 |                      | 1.0 %                               |

### - Hazardous Substances List (MN-ERTK)

| Name of substance | Name acc. to inventory  | CAS No     | References | Remarks |
|-------------------|---|------------|------------|---------|
| Kaolin, calcined  | Titanium dioxide  | 13463-67-7 | A          |         |
| Kaolin, calcined  | Dust, Inert or Nuisance (When toxic impurities are not present, for example, quartz less than 1 percent.) |            | A          | dust    |

#### Legend

A American Conference of Governmental Industrial Hygienists (ACGIH), "Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices for 1992-93", available from ACGIH  
dust If the substance poses an airborne particulate exposure hazard, the substance is followed by the word "dust."



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### - Hazardous Substance List (NJ-RTK)

| Name of substance                            | Name acc. to inventory                       | CAS No     | Remarks | Classifications |
|--|--|------------|---------|-----------------|
| Kaolin, calcined                             | titanium dioxide                             | 13463-67-7 |         |                 |
| isopropyl alcohol                            | isopropyl alcohol (2-propanol) (isopropanol) | 67-63-0    |         | F3              |
| Light aromatic hydrocarbons                  | stoddard solvent                             | 8052-41-3  |         | F2              |
| Naphtha (petroleum), hydrodesulfurized heavy | stoddard solvent                             | 8052-41-3  |         | F2              |
| pentyl acetate                               | n-amyl acetate (1-pentyl acetate)            | 628-63-7   |         | F3              |

#### Legend

F2 Flammable - Second Degree  
F3 Flammable - Third Degree

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

| Name of substance | Name acc. to inventory    | CAS No     | Classification |
|-------------------|---------------------------|------------|----------------|
| Kaolin, calcined  | TITANIUM OXIDE (TiO2)     | 13463-67-7 |                |
| isopropyl alcohol | 2-PROPANOL                | 67-63-0    | E              |
| pentyl acetate    | ACETIC ACID, PENTYL ESTER | 628-63-7   | E              |

#### Legend

E Environmental hazard

### - Hazardous Substance List (RI-RTK)

| Name of substance                            | Name acc. to inventory | CAS No     | References |
|--|------------------------|------------|------------|
| Kaolin, calcined                             | Titanium dioxide       | 13463-67-7 | T          |
| isopropyl alcohol                            | isopropyl alcohol      | 67-63-0    | T, F       |
| Light aromatic hydrocarbons                  | Stoddard solvent       | 8052-41-3  | T          |
| Naphtha (petroleum), hydrodesulfurized heavy | Stoddard solvent       | 8052-41-3  | T          |
| pentyl acetate                               | n-Amyl acetate         | 628-63-7   | T          |

#### Legend

F Flammability (NFPA®)  
T Toxicity (ACGIH®)



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

| Proposition 65 List of chemicals |            |  |                      |
|----------------------------------|------------|--|----------------------|
| Name acc. to inventory           | CAS No     | Remarks  | Type of the toxicity |
| titanium dioxide                 | 13463-67-7 | airborne, unbound particles of respirable size | cancer               |
|                                  | 71750-81-7 |  |                      |
| ethylbenzene                     | 100-41-4   |  | cancer               |
| cumene                           | 98-82-8    |  | cancer               |
| methanol                         | 67-56-1    |  | developmental        |
| 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   |



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| Category       | Degree of hazard | Description |
|----------------|------------------|-------------|
| Special hazard |                  |             |

### National inventories

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

#### Legend

|            |   |
|------------|---|
| AICS       | Australian Inventory of Chemical Substances                             |
| 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                               |
| ISHA-ENCS  | Inventory of Existing and New Chemical Substances (ISHA-ENCS)           |
| KECI       | Korea Existing Chemicals Inventory                                      |
| 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.



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

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

| Section | Former entry (text/value) | Actual entry (text/value)  | Safety-relevant |
|---------|---------------------------|--|-----------------|
| 2.2.1.7 |                           | - Hazardous ingredients for labelling: Naphtha (petroleum), hydrotreated light, Distillates (petroleum), hydrotreated light, 1,2-Benzisothiazolin-3-one, Light aromatic hydrocarbons | yes             |

#### Abbreviations and acronyms

| Abbr.            | Descriptions of used abbreviations   |
|------------------|--|
| 29 CFR 1910.1000 | 29 CFR 1910.1000, Tables Z-1, Z-2, Z-3 - Occupational Safety and Health Standards: Toxic and Hazardous Substances (permissible exposure limits)  |
| 49 CFR US DOT    | 49 CFR U.S. Department of Transportation   |
| ACGIH®           | American Conference of Governmental Industrial Hygienists  |
| ACGIH® 2019      | From ACGIH®, 2019 TLVs® and BEIs® Book. Copyright 2019. Reprinted with permission. Information on the proper use of the TLVs® and BEIs®: <a href="http://www.acgih.org/tlv-bei-guidelines/policies-procedures-presentations/tlv-bei-position-statement">http://www.acgih.org/tlv-bei-guidelines/policies-procedures-presentations/tlv-bei-position-statement</a> |
| Acute Tox.       | Acute toxicity   |
| Asp. Tox.        | Aspiration hazard  |
| ATE              | Acute Toxicity Estimate  |
| Cal/OSHA PEL     | California Division of Occupational Safety and Health (Cal/OSHA): Permissible Exposure Limits (PELs)   |
| Carc.            | Carcinogenicity  |
| CAS              | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)   |
| Ceiling-C        | Ceiling value  |
| DEP CODE         | Department of Environmental Protection Code  |
| DGR              | Dangerous Goods Regulations (see IATA/DGR)   |
| DNEL             | Derived No-Effect Level  |
| DOT              | Department of Transportation (USA)   |
| EC50             | Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval   |
| EINECS           | European Inventory of Existing Commercial Chemical Substances  |
| EL50             | Effective Loading 50 %: the EL50 corresponds to the loading rate required to produce a response in 50% of the test organisms   |



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| Abbr.          | Descriptions of used abbreviations   |
|----------------|--|
| ELINCS         | European List of Notified Chemical Substances  |
| ErC50          | ≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control |
| Eye Dam.       | Seriously damaging to the eye  |
| Eye Irrit.     | Irritant to the eye  |
| Flam. Liq.     | Flammable liquid   |
| GHS            | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations  |
| HHS            | Higher hazard substance  |
| IATA           | International Air Transport Association  |
| IATA/DGR       | Dangerous Goods Regulations (DGR) for the air transport (IATA)   |
| ICAO           | International Civil Aviation Organization  |
| IMDG           | International Maritime Dangerous Goods Code  |
| LC50           | Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval                      |
| LHS            | Lower hazard substance   |
| LL50           | Lethal Loading 50 %: the LL50 corresponds to the loading rate causing 50 % lethality   |
| MARPOL         | International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")  |
| Muta.          | Germ cell mutagenicity   |
| NFPA®          | National Fire Protection Association (United States)   |
| NIOSH REL      | National Institute for Occupational Safety and Health (NIOSH): Recommended Exposure Limits (RELs)  |
| NLP            | No-Longer Polymer  |
| NPCA-HMIS® III | National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition  |
| OSHA           | Occupational Safety and Health Administration (United States)  |
| PBT            | Persistent, Bioaccumulative and Toxic  |
| PEL            | Permissible exposure limit   |
| PNEC           | Predicted No-Effect Concentration  |
| ppm            | Parts per million  |
| RTECS          | Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information)  |
| Skin Corr.     | Corrosive to skin  |
| Skin Irrit.    | Irritant to skin   |



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| Abbr.      | Descriptions of used abbreviations                 |
|------------|--|
| Skin Sens. | Skin sensitization                                 |
| STEL       | Short-term exposure limit                          |
| STOT RE    | Specific target organ toxicity - repeated exposure |
| STOT SE    | Specific target organ toxicity - single exposure   |
| TLV®       | Threshold Limit Values                             |
| TWA        | Time-weighted average                              |
| vPvB       | Very Persistent and very Bioaccumulative           |

### 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). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

### Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### List of relevant phrases (code and full text as stated in chapter 2 and 3)

| Code | Text   |
|------|--|
| H224 | Extremely flammable liquid and vapor.  |
| H226 | Flammable liquid and vapor.  |
| H227 | Combustible liquid.  |
| H302 | Harmful if swallowed.  |
| H304 | May be fatal if swallowed and enters airways.                                    |
| H315 | Causes skin irritation.  |
| H317 | May cause an allergic skin reaction.   |
| H318 | Causes serious eye damage.   |
| H331 | Toxic if inhaled.  |
| H336 | May cause drowsiness or dizziness.   |
| H340 | May cause genetic defects.   |
| H350 | May cause cancer.  |
| H372 | Causes damage to organs (nervous system) through prolonged or repeated exposure. |



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| Code | Text  |
|------|---|
| H373 | May cause damage to organs (nervous system) through prolonged or repeated exposure. |

### Disclaimer

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