

## PRIME GUARD Universal Gold Concentrate Antifreeze & Coolant

Version number: 1.2

Date of compilation: 2026-04-01

### SECTION 1: Identification

#### 1.1 Product identifier

Trade name

**PRIME GUARD Universal Gold Concentrate Antifreeze & Coolant**

1.1.7 SDS ID

RC 01183

1.1.7.2 Product number

HLAMAM-GAL, HLAMAM55, PRIM GOLD

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

Relevant identified uses

Professional use  
Industrial use  
Consumer use (private households)

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

Prestone Products LLC  
6250 N. River Road  
Rosemont, IL 60018  
United States  
Telephone: (888)269-0750 (in the US and Canada), 01-800-715-4135 (in Mexico)

#### 1.4 Emergency telephone number

Emergency information service

CHEMTREC 1-800-424-9300 (in the US and Canada) +1 703 741-5970 (outside the US and Canada)  
24 hour emergency number

### 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                                       | Cat-egory | Hazard class and category | Hazard statement |
|---------|----------------------------------------------------|-----------|---------------------------|------------------|
| A.10    | acute toxicity (oral)                              | 4         | Acute Tox. 4              | H302             |
| A.7     | reproductive toxicity                              | 1B        | Repr. 1B                  | H360D            |
| A.9     | specific target organ toxicity - repeated exposure | 2         | STOT RE 2                 | H373             |

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.

#### 2.2 Label elements

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

- Signal word danger

- Pictograms

GHS07, GHS08



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### - Hazard statements

|       |                                                                    |
|-------|--------------------------------------------------------------------|
| H302  | Harmful if swallowed.                                              |
| H360D | May damage the unborn child.                                       |
| H373  | May cause damage to organs through prolonged or repeated exposure. |

### - Precautionary statements

|           |                                                                                               |
|-----------|-----------------------------------------------------------------------------------------------|
| P201      | Obtain special instructions before use.                                                       |
| P260      | Do not breathe dust/fume/gas/mist/vapors/spray.                                               |
| P270      | Do not eat, drink or smoke when using this product.                                           |
| P280      | Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. |
| P301+P312 | If swallowed: Call a poison center/doctor if you feel unwell.                                 |
| P308+P313 | If exposed or concerned: Get medical advice/attention.                                        |
| P314      | Get medical advice/attention if you feel unwell.                                              |
| P330      | Rinse mouth.                                                                                  |
| P405      | Store locked up.                                                                              |
| P501      | Dispose of contents/container to industrial combustion plant.                                 |

### - Hazardous ingredients for labelling

ethylene glycol, 2-Ethylhexanoic acid, sodium salt, Neodecanoic acid, sodium salt

## 2.3 Other hazards

### Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of  $\geq 0.1\%$ .

### Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) 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              |
|-----------------------------------|----------------------|-------------|-----------------------------------------|
| ethylene glycol                   | CAS No<br>107-21-1   | $\geq 85$   | Acute Tox. 4 / H302<br>STOT RE 2 / H373 |
| 2-Ethylhexanoic acid, sodium salt | CAS No<br>19766-89-3 | $1 - < 5$   | Repr. 1B / H360D<br>cD / OSHA003        |
| Neodecanoic acid, sodium salt     | CAS No<br>31548-27-3 | $0.1 - < 1$ | Acute Tox. 3 / H301                     |

### Hazardous ingredients, Consideration of other advice

*This table, if present, includes all GHS classified ingredients present above their cut-off limits, even if the finished product is not classified as hazardous by GHS.*

Exact percentage of ingredients is withheld as a trade secret.

### Remarks

For full text of abbreviations: see SECTION 16.

## 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

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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, Alcohol resistant foam, BC-powder, Carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media

Water jet

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

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.

## 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.

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### 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. Use only in well-ventilated areas.

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

There is no additional information.

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials" (Section 10).

### 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                                                             | ethylene glycol | 107-21-1 | REL        |           |                          |            |                           |                 |                                | appx-D     | NIOSH REL    |
| US                                                             | ethylene glycol | 107-21-1 | TLV®       |           |                          |            | 10                        |                 |                                | i, aerosol | ACGIH® 2025  |
| US                                                             | ethylene glycol | 107-21-1 | PEL (CA)   |           |                          |            |                           | 40              | 100                            | vap        | Cal/OSHA PEL |
| US                                                             | ethylene glycol | 107-21-1 | TLV®       | 25        |                          | 50         |                           |                 |                                | vap        | ACGIH® 2025  |

#### Notation

aerosol as aerosols

appx-D see Appendix D - Substances with No Established RELs

Ceiling-C ceiling value is a limit value above which exposure should not occur

i inhalable fraction

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)

vap as vapors

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| Relevant DNELs of components      |            |           |                      |                                    |                   |                            |
|-----------------------------------|------------|-----------|----------------------|------------------------------------|-------------------|----------------------------|
| Name of substance                 | CAS No     | End-point | Threshold level      | Protection goal, route of exposure | Used in           | Exposure time              |
| ethylene glycol                   | 107-21-1   | DNEL      | 35 mg/m <sup>3</sup> | human, inhalatory                  | worker (industry) | chronic - local effects    |
| ethylene glycol                   | 107-21-1   | DNEL      | 106 mg/kg bw/day     | human, dermal                      | worker (industry) | chronic - systemic effects |
| 2-Ethylhexanoic acid, sodium salt | 19766-89-3 | DNEL      | 14 mg/m <sup>3</sup> | human, inhalatory                  | worker (industry) | chronic - systemic effects |
| 2-Ethylhexanoic acid, sodium salt | 19766-89-3 | DNEL      | 2 mg/kg bw/day       | human, dermal                      | worker (industry) | chronic - systemic effects |
| Neodecanoic acid, sodium salt     | 31548-27-3 | DNEL      | 86 mg/m <sup>3</sup> | human, inhalatory                  | worker (industry) | chronic - systemic effects |
| Neodecanoic acid, sodium salt     | 31548-27-3 | DNEL      | 29 mg/kg bw/day      | human, dermal                      | worker (industry) | chronic - systemic effects |

| Relevant PNECs of components      |            |           |                 |                       |                              |                              |
|-----------------------------------|------------|-----------|-----------------|-----------------------|------------------------------|------------------------------|
| Name of substance                 | CAS No     | End-point | Threshold level | Organism              | Environmental compartment    | Exposure time                |
| ethylene glycol                   | 107-21-1   | PNEC      | 5 mg/kg         | terrestrial organisms | soil                         | short-term (single instance) |
| 2-Ethylhexanoic acid, sodium salt | 19766-89-3 | PNEC      | 0.36 mg/l       | aquatic organisms     | freshwater                   | short-term (single instance) |
| 2-Ethylhexanoic acid, sodium salt | 19766-89-3 | PNEC      | 0.036 mg/l      | aquatic organisms     | marine water                 | short-term (single instance) |
| 2-Ethylhexanoic acid, sodium salt | 19766-89-3 | PNEC      | 71.7 mg/l       | aquatic organisms     | sewage treatment plant (STP) | short-term (single instance) |
| 2-Ethylhexanoic acid, sodium salt | 19766-89-3 | PNEC      | 0.301 mg/kg     | aquatic organisms     | freshwater sediment          | short-term (single instance) |
| 2-Ethylhexanoic acid, sodium salt | 19766-89-3 | PNEC      | 0.03 mg/kg      | aquatic organisms     | marine sediment              | short-term (single instance) |
| 2-Ethylhexanoic acid, sodium salt | 19766-89-3 | PNEC      | 0.058 mg/kg     | terrestrial organisms | soil                         | short-term (single instance) |
| Neodecanoic acid, sodium salt     | 31548-27-3 | PNEC      | 0.11 mg/l       | aquatic organisms     | freshwater                   | short-term (single instance) |
| Neodecanoic acid, sodium salt     | 31548-27-3 | PNEC      | 0.011 mg/l      | aquatic organisms     | marine water                 | 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.

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### - 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

|                                                          |                                                           |
|----------------------------------------------------------|-----------------------------------------------------------|
| Physical state                                           | liquid                                                    |
| Color                                                    | yellow                                                    |
| Odor                                                     | characteristic                                            |
| Melting point/freezing point                             | -13 °C at 1,013 hPa                                       |
| Boiling point or initial boiling point and boiling range | 157 °C at 1,013 hPa                                       |
| Flammability                                             | this material is combustible, but will not ignite readily |
| Lower and upper explosion limit                          | not determined                                            |
| Flash point                                              | >111 °C closed cup                                        |
| Auto-ignition temperature                                | 398 °C                                                    |
| Decomposition temperature                                | not relevant                                              |
| pH (value)                                               | 8.4 – 8.9 (in aqueous solution: 50 % (V/V), 20 °C)        |
| Kinematic viscosity                                      | not determined                                            |

### Solubility(ies)

|                  |                            |
|------------------|----------------------------|
| Water solubility | miscible in any proportion |
|------------------|----------------------------|

### Partition coefficient

|                                                   |                                   |
|---------------------------------------------------|-----------------------------------|
| Partition coefficient n-octanol/water (log value) | this information is not available |
|---------------------------------------------------|-----------------------------------|

|                |                    |
|----------------|--------------------|
| Vapor pressure | 0.123 hPa at 25 °C |
|----------------|--------------------|

### Density and/or relative density

|                         |                                               |
|-------------------------|-----------------------------------------------|
| Density                 | 1.112 – 1.118 g/ml at 20 °C                   |
| Relative vapour density | information on this property is not available |

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|                                                    |                                                                      |
|----------------------------------------------------|----------------------------------------------------------------------|
| Particle characteristics                           | not relevant (liquid)                                                |
| Information with regard to physical hazard classes | hazard classes acc. to GHS (physical hazards): not relevant          |
| Other safety characteristics                       |                                                                      |
| Miscibility                                        | Completely miscible with water.                                      |
| Temperature class (USA, acc. to NEC 500)           | T2 (maximum permissible surface temperature on the equipment: 300°C) |

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

#### 10.2 Chemical stability

See below "Conditions to avoid".

#### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

#### 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

#### 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

Harmful if swallowed.

- Acute toxicity estimate (ATE)  
Oral >516.4 mg/kg

| Acute toxicity estimate (ATE) of components |            |                |              |
|---------------------------------------------|------------|----------------|--------------|
| Name of substance                           | CAS No     | Exposure route | ATE          |
| ethylene glycol                             | 107-21-1   | oral           | 500 mg/kg    |
| ethylene glycol                             | 107-21-1   | dermal         | >3,500 mg/kg |
| 2-Ethylhexanoic acid, sodium salt           | 19766-89-3 | oral           | 2,043 mg/kg  |
| 2-Ethylhexanoic acid, sodium salt           | 19766-89-3 | dermal         | >2,000 mg/kg |
| Neodecanoic acid, sodium salt               | 31548-27-3 | oral           | ≥300 mg/kg   |
| Neodecanoic acid, sodium salt               | 31548-27-3 | dermal         | >3,640 mg/kg |

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### 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

Shall not be classified as a respiratory or skin sensitizer.

### Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

### Carcinogenicity

Shall not be classified as carcinogenic.

### Reproductive toxicity

May damage the unborn child.

### 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 through prolonged or repeated exposure.

### Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

## 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  $\geq 0.1\%$ .

### 12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) in a concentration of  $\geq 0.1\%$ .

### 12.7 Other adverse effects

Data are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### 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.

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### SECTION 14: Transport information

- |                                                            |                                                                       |
|------------------------------------------------------------|-----------------------------------------------------------------------|
| <b>14.1 UN number</b>                                      | not subject to transport regulations                                  |
| <b>14.2 UN proper shipping name</b>                        | not relevant                                                          |
| <b>14.3 Transport hazard class(es)</b>                     | none                                                                  |
| <b>14.4 Packing group</b>                                  | not assigned                                                          |
| <b>14.5 Environmental hazards</b>                          | non-environmentally hazardous acc. to the dangerous goods regulations |
| <b>14.6 Special precautions for user</b>                   |                                                                       |
| There is no additional information.                        |                                                                       |
| <b>14.7 Transport in bulk according to IMO instruments</b> |                                                                       |
| The cargo is not intended to be carried in bulk.           |                                                                       |

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

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

Not subject to transport regulations.

**Note: IF A SHIPMENT OF A REPORTABLE QUANTITY (5,000 LBS/525 GAL.) IN A SINGLE PACKAGE IS INVOLVED, THE FOLLOWING INFORMATION APPLIES:**

**PROPER SHIPPING NAME:**

RQ, Environmentally hazardous substance, liquid, n.o.s. (Ethylene glycol)

**UN NUMBER: UN3082**

**PACKING GROUP: III**

**LABELS REQUIRED: Class 9**

**Note: IF A SHIPMENT OF A REPORTABLE QUANTITY (8,333 LBS/933 GAL.) IN A SINGLE PACKAGE IS INVOLVED, THE FOLLOWING INFORMATION APPLIES:**

**PROPER SHIPPING NAME:**

RQ, Environmentally hazardous substance, liquid, n.o.s. (Ethylene glycol)

**UN NUMBER: UN3082**

**PACKING GROUP: III**

**LABELS REQUIRED: Class 9**

##### International Maritime Dangerous Goods Code (IMDG) - Additional information

Not subject to IMDG.

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

Not subject to ICAO-IATA.

### SECTION 15: Regulatory information

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

##### 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

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### - Specific Toxic Chemical Listings (EPCRA Section 313)

| Toxics Release Inventory: Specific Toxic Chemical Listings |          |         |                |
|------------------------------------------------------------|----------|---------|----------------|
| Name of substance                                          | CAS No   | Remarks | Effective date |
| ethylene glycol                                            | 107-21-1 |         | 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) |
|-------------------|----------|---------|----------------|----------------------|
| ethylene glycol   | 107-21-1 |         | 3              | 5000 (2270)          |

#### Legend

3 "3" indicates that the source is section 112 of the Clean Air Act

### Clean Air Act

none of the ingredients are listed

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

| Proposition 65 List of chemicals |                              |          |         |                      |
|----------------------------------|------------------------------|----------|---------|----------------------|
| Name of substance                | Name acc. to inventory       | CAS No   | Remarks | Type of the toxicity |
| ethylene glycol                  | ethylene glycol (ethanediol) | 107-21-1 |         | developmental        |
| ethylene glycol                  | ethylene glycol (ethanediol) | 107-21-1 |         | developmental        |

### VOC content

- Regulated Volatile Organic Compounds (VOC-EPA) 0.21 %
- Regulated Volatile Organic Compounds (VOC-Cal ARB) 0.21 %

### 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              | 1      | irritation or minor reversible injury possible                                                                                                             |
| Flammability        | 1      | material that must be preheated 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).

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| Category       | Degree of hazard | Description                                                                 |
|----------------|------------------|-----------------------------------------------------------------------------|
| Flammability   | 1                | material that must be preheated before ignition can occur                   |
| Health         | 1                | material that, under emergency conditions, can cause significant irritation |
| 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        | not all ingredients are listed      |
| CN      | IECSC      | all ingredients are listed          |
| EU      | ECSI       | not all ingredients are listed      |
| EU      | REACH Reg. | not all ingredients are listed      |
| JP      | CSCL-ENCS  | 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      | 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       | 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                               |
| 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

#### Abbreviations and acronyms

| Abbr.          | Descriptions of used abbreviations                                                                                                                 |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| 49 CFR US DOT  | 49 CFR U.S. Department of Transportation                                                                                                           |
| Acute Tox.     | Acute toxicity                                                                                                                                     |
| ATE            | Acute Toxicity Estimate                                                                                                                            |
| Cal/OSHA PEL   | California Division of Occupational Safety and Health (Cal/OSHA): Permissible Exposure Limits (PELs)                                               |
| Cal ARB        | California Air Resources Board                                                                                                                     |
| CAS            | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)                                             |
| cD             | Combustible dust                                                                                                                                   |
| Ceiling-C      | Ceiling value                                                                                                                                      |
| DGR            | Dangerous Goods Regulations (see IATA/DGR)                                                                                                         |
| DNEL           | Derived No-Effect Level                                                                                                                            |
| ED             | Endocrine disruptor                                                                                                                                |
| EINECS         | European Inventory of Existing Commercial Chemical Substances                                                                                      |
| ELINCS         | European List of Notified Chemical Substances                                                                                                      |
| EPA            | Environmental Protection Agency. An agency of the federal government of the United States charged with protecting human health and the environment |
| GHS            | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations                                          |
| 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                                                                                                        |
| 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                                                                                                              |
| PNEC           | Predicted No-Effect Concentration                                                                                                                  |
| ppm            | Parts per million                                                                                                                                  |
| Repr.          | Reproductive toxicity                                                                                                                              |
| RTECS          | Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information)                                                |
| STEL           | Short-term exposure limit                                                                                                                          |
| STOT RE        | Specific target organ toxicity - repeated exposure                                                                                                 |
| TLV®           | Threshold Limit Values                                                                                                                             |
| TWA            | Time-weighted average                                                                                                                              |
| VOC            | Volatile Organic Compounds                                                                                                                         |
| vPvB           | Very Persistent and very Bioaccumulative                                                                                                           |

#### Key literature references and sources for data

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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 section 2 and 3)**

| Code    | Text                                                               |
|---------|--------------------------------------------------------------------|
| H301    | Toxic if swallowed.                                                |
| H302    | Harmful if swallowed.                                              |
| H360D   | May damage the unborn child.                                       |
| H373    | May cause damage to organs through prolonged or repeated exposure. |
| OSHA003 | May form combustible dust concentrations in air.                   |

**Disclaimer**

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