

## Symplex Piranha X1

Version number: GHS 2.0  
Replaces version of: 2019-03-21 (GHS 1)

Revision: 2019-06-27

### SECTION 1: Identification

#### 1.1 Product identifier

Trade name **Symplex Piranha X1**

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

Relevant identified uses Vehicle polishing compound

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

Symplex International LLC  
10975 East 55th Avenue Unit E  
Denver CO 80239

sales@symplex.us

#### 1.4 Emergency telephone number

Emergency information service USA 1.800.535.5053, INTL 1.352.323.3500  
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            | Category | Hazard class and category | Hazard statement |
|---------|-------------------------|----------|---------------------------|------------------|
| A.11    | acute toxicity (inhal.) | 4        | Acute Tox. 4              | H332             |
| A.4S    | skin sensitization      | 1        | Skin Sens. 1              | H317             |

For full text of abbreviations: see SECTION 16.

#### 2.2 Label elements

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

- Signal word warning

- Pictograms

GHS07



- Hazard statements

H317 May cause an allergic skin reaction.  
H332 Harmful if inhaled.

- Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
P271 Use only outdoors or in a well-ventilated area.  
P272 Contaminated work clothing must not be allowed out of the workplace.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 If on skin: Wash with plenty of water.  
P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.  
P312 Call a poison center/doctor if you feel unwell.  
P321 Specific treatment (see on this label).  
P363 Wash contaminated clothing before reuse.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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- Hazardous ingredients for labelling Cinnamaldehyde

**2.3 Other hazards**

Special danger of slipping by leaking/spilling product.

Hazards not otherwise classified

Contains Cinnamaldehyde. May produce an allergic reaction.

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

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**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  |
|--|----------------------|-----------|---|
| C12-14 isoparaffin                             | CAS No<br>68551-19-9 | 10 - < 25 | Acute Tox. 3 / H331<br>Asp. Tox. 1 / H304<br>Flam. Liq. 4 / H227                          |
| distillates (petroleum) hydrotreated,<br>light | CAS No<br>64742-47-8 | 1 - < 5   | Asp. Tox. 1 / H304<br>Flam. Liq. 4 / H227   |
| Cinnamaldehyde                                 | CAS No<br>104-55-2   | < 1       | Acute Tox. 4 / H312<br>Skin Irrit. 2 / H315<br>Eye Irrit. 2 / H319<br>Skin Sens. 1 / H317 |

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 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.

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**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**

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. Co-ordinate 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**

Advices on how to contain a spill

Covering of drains

Advices 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.

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### 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

Control of the effects

Protect against external exposure, such as

Frost

- Ventilation requirements

Keep any substance that emits harmful vapors or gases in a place that allows these to be permanently extracted.

#### 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   | alpha-Alumina                  | 1344-28-1 | REL        |           |                          |            |                           |                 |                                | appx-D       | NIOSH REL        |
| US   | alpha-alumina                  | 1344-28-1 | PEL        |           | 15                       |            |                           |                 |                                | i, dust      | 29 CFR 1910.1000 |
| US   | alpha-alumina                  | 1344-28-1 | PEL        |           | 5                        |            |                           |                 |                                | r, dust      | 29 CFR 1910.1000 |
| US   | aluminium, insoluble compounds | 1344-28-1 | TLV®       |           | 1                        |            |                           |                 |                                | r            | ACGIH® 2019      |
| US   | aluminium oxide                | 1344-28-1 | PEL (CA)   |           | 10                       |            |                           |                 |                                | dust         | Cal/OSHA PEL     |
| US   | aluminium oxide                | 1344-28-1 | PEL (CA)   |           | 5                        |            |                           |                 |                                | r            | Cal/OSHA PEL     |
| US   | glycerine                      | 56-81-5   | REL        |           |                          |            |                           |                 |                                | mist, appx-D | 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   | glycerol      | 56-81-5 | PEL        |           | 15                       |            |                           |                 |                                | mist, i  | 29 CFR 1910.1000 |
| US   | glycerol      | 56-81-5 | PEL        |           | 5                        |            |                           |                 |                                | mist, r  | 29 CFR 1910.1000 |

### Notation

|           |  |
|-----------|--|
| appx-D    | see Appendix D - Substances with No Established RELs   |
| Ceiling-C | ceiling value is a limit value above which exposure should not occur   |
| dust      | as dust  |
| i         | inhalable fraction   |
| mist      | as mists   |
| r         | respirable 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) |

| 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              |
| Cinnamaldehyde                              | 104-55-2 | DNEL      | 2.513 mg/kg             | human, dermal                      | worker (industry) | chronic - systemic effects |
| Cinnamaldehyde                              | 104-55-2 | DNEL      | 2.204 mg/m <sup>3</sup> | human, inhalatory                  | 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                |
| Cinnamaldehyde                              | 104-55-2 | PNEC      | 1.004 mg/l      | aquatic organisms     | freshwater                   | short-term (single instance) |
| Cinnamaldehyde                              | 104-55-2 | PNEC      | 0.1004 mg/l     | aquatic organisms     | marine water                 | short-term (single instance) |
| Cinnamaldehyde                              | 104-55-2 | PNEC      | 13.12 mg/l      | aquatic organisms     | sewage treatment plant (STP) | short-term (single instance) |
| Cinnamaldehyde                              | 104-55-2 | PNEC      | 159.2 mg/kg     | aquatic organisms     | marine sediment              | short-term (single instance) |
| Cinnamaldehyde                              | 104-55-2 | PNEC      | 0.0003333 mg/kg | aquatic organisms     | water                        | short-term (single instance) |
| Cinnamaldehyde                              | 104-55-2 | PNEC      | 56.08 mg/kg     | terrestrial organisms | soil                         | short-term (single instance) |
| Cinnamaldehyde                              | 104-55-2 | PNEC      | 1.004 mg/l      | aquatic organisms     | water                        | intermittent release         |
| Cinnamaldehyde                              | 104-55-2 | PNEC      | 159.2 mg/kg     | aquatic organisms     | freshwater sediment          | short-term (single instance) |

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### 8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

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

- Other protection measures

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

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

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

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

|                |                  |
|----------------|------------------|
| Physical state | liquid (viscous) |
| Color          | yellow           |
| Odor           | like cinnamon    |

#### Other safety parameters

|   |                                       |
|---|---------------------------------------|
| pH (value)                              | 8 – 8.6 (25 °C)                       |
| Melting point/freezing point            | not determined                        |
| Initial boiling point and boiling range | 100 °C                                |
| Flash point                             | >100 °C at 101.3 kPa >212 °F at 1 atm |
| Evaporation rate                        | not determined                        |
| Flammability (solid, gas)               | not relevant, (fluid)                 |

Explosive limits

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|  |   |
|--|---|
| - Lower explosion limit (LEL)            | 0.6 vol%  |
| - Upper explosion limit (UEL)            | 19 vol%   |
| Vapor pressure                           | 31.69 hPa at 25 °C  |
| Density                                  | not determined  |
| Vapor density                            | this information is not available                                     |
| Relative density                         | 1.07 at 25 °C (water = 1)   |
| Solubility(ies)                          | not determined  |
| Partition coefficient                    |   |
| - n-octanol/water (log KOW)              | this information is not available                                     |
| Auto-ignition temperature                | 215 °C  |
| Viscosity                                |   |
| - Kinematic viscosity                    | 5,000 cSt at 25 °C  |
| Explosive properties                     | none  |
| Oxidizing properties                     | none  |
| <b>Other information</b>                 |   |
| Temperature class (USA, acc. to NEC 500) | T3 (maximum permissible surface temperature on the equipment: 200 °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.

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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

Harmful if inhaled.

##### - Acute toxicity estimate (ATE)

Inhalation: dust/mist 2.519 mg/l/4h

| Acute toxicity estimate (ATE) of components of the mixture |            |                       |             |
|--|------------|-----------------------|-------------|
| Name of substance  | CAS No     | Exposure route        | ATE         |
| C12-14 isoparaffin   | 68551-19-9 | inhalation: vapor     | 9.3 mg/l/4h |
| C12-14 isoparaffin   | 68551-19-9 | inhalation: dust/mist | 0.5 mg/l/4h |
| Cinnamaldehyde   | 104-55-2   | dermal                | 1,100 mg/kg |

##### 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

Shall not be classified as germ cell mutagenic.

##### Carcinogenicity

Shall not be classified as carcinogenic.

##### 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

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

##### Aspiration hazard

Shall not be classified as presenting an aspiration hazard.



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### 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 |
| C12-14 isoparaffin                                    | 68551-19-9 | LL50     | >1,000 mg/l | fish                  | 48 h          |
| C12-14 isoparaffin                                    | 68551-19-9 | EL50     | >1,000 mg/l | aquatic invertebrates | 48 h          |
| Cinnamaldehyde  | 104-55-2   | LC50     | 4.15 mg/l   | fish                  | 96 h          |
| Cinnamaldehyde  | 104-55-2   | EC50     | 3.21 mg/l   | aquatic invertebrates | 48 h          |
| Cinnamaldehyde  | 104-55-2   | ErC50    | 31.6 mg/l   | algae                 | 72 h          |

| Aquatic toxicity (chronic) of components of the mixture |            |          |             |                       |               |
|---|------------|----------|-------------|-----------------------|---------------|
| Name of substance                                       | CAS No     | Endpoint | Value       | Species               | Exposure time |
| C12-14 isoparaffin                                      | 68551-19-9 | LL50     | >1,000 mg/l | fish                  | 24 h          |
| C12-14 isoparaffin                                      | 68551-19-9 | EL50     | >1,000 mg/l | aquatic invertebrates | 24 h          |
| Cinnamaldehyde  | 104-55-2   | LC50     | 100.4 mg/l  | fish                  | 96 h          |
| Cinnamaldehyde  | 104-55-2   | EC50     | 119.6 mg/l  | aquatic invertebrates | 48 h          |

#### 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

Data are not available.

#### 12.6 Other adverse effects

Endocrine disrupting potential

The mixture contains substance(s) with an endocrine disrupting potential.

### 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.

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

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.

### 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
- 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
- California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987**
- none of the ingredients are listed
- Industry or sector specific available guidance(s)**
- NPCA-HMIS® III**
- Hazardous Materials Identification System. American Coatings Association.

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| Category            | Rating | Description  |
|---------------------|--------|--|
| Chronic             | /      | none   |
| Health              | 2      | temporary or minor injury may occur  |
| 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).

| Category       | Degree of hazard | Description  |
|----------------|------------------|--|
| Flammability   | 1                | material that must be preheated before ignition can occur  |
| Health         | 2                | material that, under emergency conditions, can cause temporary incapacitation or residual injury |
| Instability    | 0                | material that is normally stable, even under fire conditions                                     |
| Special hazard |                  |  |

### National inventories

| Country | Inventory  | Status                         |
|---------|------------|--------------------------------|
| CA      | DSL        | all ingredients are listed     |
| EU      | REACH Reg. | not all ingredients are listed |
| US      | TSCA       | all ingredients are listed     |

#### Legend

DSL Domestic Substances List (DSL)  
REACH Reg. REACH registered substances  
TSCA Toxic Substance Control Act

## 15.2 Chemical Safety Assessment

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

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

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

| Section | Former entry (text/value) | Actual entry (text/value)   | Safety-relevant |
|---------|---------------------------|---|-----------------|
| 2.1     |                           | Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200): change in the listing (table) | yes             |
| 2.2     |                           | - Hazard statements: change in the listing (table)  | yes             |
| 2.2     |                           | - Precautionary statements: change in the listing (table)   | yes             |
| 2.2     |                           | - Hazardous ingredients for labelling: Cinnamaldehyde   | yes             |



# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

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| Section | Former entry (text/value)  | Actual entry (text/value)  | Safety-relevant |
|---------|--|--|-----------------|
| 2.3     |  | Hazards not otherwise classified:<br>change in the listing (table)   | yes             |
| 3.2     |  | Description of the mixture:<br>change in the listing (table)   | yes             |
| 8.1     |  | Occupational exposure limit values (Workplace Exposure Limits):<br>change in the listing (table)             | yes             |
| 8.1     |  | Relevant DNELs of components of the mixture:<br>change in the listing (table)                                | yes             |
| 8.1     |  | Relevant PNECs of components of the mixture:<br>change in the listing (table)                                | yes             |
| 9.1     | Odor:<br>fruity  | Odor:<br>like cinnamon   | yes             |
| 9.1     | Density:<br>1.061 g/ml   | Density:<br>not determined   | yes             |
| 9.1     | Dynamic viscosity:<br>5,304 cP   |  | yes             |
| 11.1    |  | Acute toxicity estimate (ATE) of components of the mixture:<br>change in the listing (table)                 | yes             |
| 11.1    | Respiratory or skin sensitization:<br>Shall not be classified as a respiratory or skin sensitizer.                                 | Respiratory or skin sensitization:<br>May cause an allergic skin reaction.                                   | yes             |
| 12.1    |  | Aquatic toxicity (acute) of components of the mixture:<br>change in the listing (table)                      | yes             |
| 12.1    |  | Aquatic toxicity (chronic) of components of the mixture:<br>change in the listing (table)                    | yes             |
| 12.6    | Endocrine disrupting potential:<br>None of the ingredients are listed.   | Endocrine disrupting potential:<br>The mixture contains substance(s) with an endocrine disrupting potential. | yes             |
| 15.1    | Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)   |  | yes             |
| 15.1    | List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4):<br>none of the ingredients are listed |  | yes             |
| 15.1    |  | NPCA-HMIS® III:<br>change in the listing (table)   | yes             |
| 16      |  | Abbreviations and acronyms:<br>change in the listing (table)   | yes             |
| 16      |  | List of relevant phrases (code and full text as stated in chapter 2 and 3):<br>change in the listing (table) | yes             |

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### 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 § 40 U.S. Department of Transportation  |
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| 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)   |
| CAS              | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)   |
| Ceiling-C        | Ceiling value  |
| DGR              | Dangerous Goods Regulations (see IATA/DGR)   |
| DNEL             | Derived No-Effect Level  |
| 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  |
| 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  |
| MARPOL           | International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")  |
| NIOSH REL        | National Institute for Occupational Safety and Health (NIOSH): Recommended Exposure Limits (RELs)  |
| 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   |
| Skin Sens.       | Skin sensitization   |
| STEL             | Short-term exposure limit  |
| TLV®             | Threshold Limit Values   |
| TWA              | Time-weighted average  |
| vPvB             | Very Persistent and very Bioaccumulative   |

**Symplex Piranha X1**

Version number: GHS 2.0  
Replaces version of: 2019-03-21 (GHS 1)

Revision: 2019-06-27

**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  |
|------|---|
| H227 | Combustible liquid.                           |
| H304 | May be fatal if swallowed and enters airways. |
| H312 | Harmful in contact with skin.                 |
| H315 | Causes skin irritation.                       |
| H317 | May cause an allergic skin reaction.          |
| H319 | Causes serious eye irritation.                |
| H331 | Toxic if inhaled.                             |
| H332 | Harmful if inhaled.                           |

**Disclaimer**

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