# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

# Factory Pack Gun Metallic Gray

Version number: GHS 1.0 Date of compilation: 2024-05-30

## SECTION 1: Identification

### 1.1 Product identifier

Trade name **Factory Pack Gun Metallic Gray**

Product code(s) B-90601, B-90604

### 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

P.O.R. Products
38 Portman Road
New Rochelle NY 10801
United States

Telephone: +1 914-636-0700
e-mail: support@porproducts.com
Website: www.porproducts.com

e-mail (competent person) support@porproducts.com

### 1.4 Emergency telephone number

Emergency information service 1-800-255-3924
ChemTel Inc.

## SECTION 2: Hazard(s) identification

### 2.1 Classification of the substance or mixture

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

| Section | Hazard class | Category | Hazard class and category | Hazard statement |
|---|---|---|---|---|
| A.2 | skin corrosion/irritation | 2 | Skin Irrit. 2 | H315 |
| A.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.7 | reproductive toxicity | 1B | Repr. 1B | H360FD |
| 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 | 2 | Flam. Liq. 2 | H225 |

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.

## 2.2 Label elements

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

- Signal word danger

- Pictograms

GHS02, GHS07, GHS08 

- Hazard statements

| | |
|---|---|
| H225 | Highly flammable liquid and vapor. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H340 | May cause genetic defects. |
| H350 | May cause cancer. |
| H360FD | May damage fertility. May damage the unborn child. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |

- Precautionary statements

| | |
|---|---|
| P201 | Obtain special instructions before use. |
| P210 | Keep away from heat/sparks/open flames/hot surfaces. No smoking. |
| P233 | Keep container tightly closed. |
| P240 | Ground/bond container and receiving equipment. |
| P241 | Use explosion-proof electrical/ventilating/lighting equipment. |
| P242 | Use only non-sparking tools. |
| P243 | Take precautionary measures against static discharge. |
| 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. |
| P303+P361+P353 | If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. |
| 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. |
| P362 | Take off contaminated clothing and wash before reuse. |
| 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 to industrial combustion plant. |

- Hazardous ingredients for labelling Carbon black, dibutyltin dilaurate, ethyl benzene, stoddard solvent, xylene, 4-chloro-α,α,α-trifluoro-toluene

### 2.3 Other hazards

Hazards not otherwise classified

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

Results of PBT and vPvB assessment

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

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) in a concentration of ≥ 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 |
|---|---|---|---|
| Acrylic resin component | | 25 – < 50 | |
| butyl acetate | CAS No<br>123-86-4 | 10 – < 25 | STOT SE 3 / H336<br>Flam. Liq. 3 / H226 |
| methyl amyl ketone | CAS No<br>110-43-0 | 10 – < 25 | Acute Tox. 4 / H302<br>Acute Tox. 4 / H332<br>Flam. Liq. 3 / H226 |
| xylene | CAS No<br>1330-20-7 | 10 – < 25 | Acute Tox. 4 / H312<br>Acute Tox. 4 / H332<br>Skin Irrit. 2 / H315<br>Asp. Tox. 1 / H304<br>Flam. Liq. 3 / H226 |
| CAB-531-1 | CAS No<br>9004-36-8 | 5 – < 10 | |
| Carbon black | CAS No<br>1333-86-4 | 5 – < 10 | Carc. 1A / H350 |
| ethyl benzene | CAS No<br>100-41-4 | 1 – < 5 | Acute Tox. 4 / H332<br>Carc. 2 / H351<br>STOT RE 2 / H373<br>Asp. Tox. 1 / H304<br>Flam. Liq. 3 / H226 |
| Titanium dioxide- part | CAS No<br>13463-67-7 | 1 – < 5 | Carc. 2 / H351 |
| 4-chloro-α,α,α-trifluorotoluene | CAS No<br>98-56-6 | 1 – < 5 | Skin Sens. 1B / H317<br>Carc. 2 / H351<br>Flam. Liq. 3 / H226 |
| dibutyltin dilaurate | CAS No<br>77-58-7 | 0.1 – < 1 | Muta. 2 / H341<br>Repr. 1B / H360FD<br>STOT RE 1 / H372 |
| 2-(2H-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol [UV-328] | CAS No<br>25973-55-1 | 0.1 – < 1 | Acute Tox. 4 / H312<br>Acute Tox. 2 / H330 |

| Name of substance | Identifier | Wt% | Classification acc. to GHS |
|---|---|---|---|
| styrene | CAS No<br>100-42-5 | 0.1 – < 1 | Acute Tox. 4 / H332<br>Skin Irrit. 2 / H315<br>Eye Irrit. 2 / H319<br>Carc. 1B / H350<br>Repr. 2 / H361d<br>STOT RE 1 / H372<br>Asp. Tox. 1 / H304<br>Flam. Liq. 3 / H226 |
| aluminium powder (pyrophoric) | CAS No<br>7429-90-5 | 0.1 – < 1 | Acute Tox. 3 / H331<br>Pyr. Sol. 1 / H250<br>Water-react. 2 / H261 |
| bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate | CAS No<br>41556-26-7 | 0.1 – < 1 | |
| stoddard solvent | CAS No<br>8052-41-3 | 0.1 – < 1 | Acute Tox. 3 / H331<br>Muta. 1B / H340<br>Carc. 1A / H350<br>STOT RE 1 / H372<br>Asp. Tox. 1 / H304<br>Flam. Liq. 3 / H226 |
| Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | CAS No<br>82919-37-7 | 0.1 – < 1 | |
| Aluminium hydroxide | CAS No<br>21645-51-2 | 0.1 – < 1 | Acute Tox. 4 / H332 |
| BYK ANTI-TERRA 205 | | 0 – < 0.1 | |

### 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 and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

#### Following inhalation

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

#### Following skin contact

Wash with plenty of soap and water.

#### Following eye contact

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

#### Following ingestion

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

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

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 (CO2)

Unsuitable extinguishing media

Water jet

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

In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Hazardous combustion products

Carbon monoxide (CO), Carbon dioxide (CO2)

### 5.3 Advice for firefighters

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

## SECTION 6: Accidental release measures

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

For non-emergency personnel

Remove persons to safety.

For emergency responders

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

### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

### 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.

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.

- Ventilation requirements

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

- Packaging compatibilities

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

### 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/m³] | STEL [ppm] | STEL [mg/m³] | Ceiling-C [ppm] | Ceiling-C [mg/m³] | Notation | Source |
|---|---|---|---|---|---|---|---|---|---|---|---|
| US | ethylbenzene | 100-41-4 | PEL (CA) | 5 | 22 | 30 | 130 | | | | Cal/OSHA PEL |
| US | ethylbenzene | 100-41-4 | REL | 100 (10 h) | 435 (10 h) | 125 | 545 | | | | NIOSH REL |
| US | ethylbenzene | 100-41-4 | TLV® | 20 | | | | | | | ACGIH® 2024 |
| US | ethylbenzene | 100-41-4 | PEL | 100 | 435 | | | | | | 29 CFR 1910.1000 |
| US | styrene | 100-42-5 | REL | 50 (10 h) | 215 (10 h) | 100 | 425 | | | | NIOSH REL |
| US | styrene | 100-42-5 | TLV® | 10 | | 20 | | | | | ACGIH® 2024 |
| US | styrene | 100-42-5 | PEL | 100 | | 600 (5 min) | | 200 | | dur-5m-3h | 29 CFR 1910.1000 |
| US | styrene, monomer (phenylethene) (vinylbenzene) | 100-42-5 | PEL (CA) | 50 | 215 | 100 | 425 | 500 | | H | Cal/OSHA PEL |
| US | methyl n-amyl ketone | 110-43-0 | REL | 100 (10 h) | 465 (10 h) | | | | | | NIOSH REL |
| US | methyl n-amyl ketone | 110-43-0 | TLV® | 50 | | | | | | | ACGIH® 2024 |
| US | methyl n-amyl ketone | 110-43-0 | PEL | 100 | 465 | | | | | | 29 CFR 1910.1000 |
| US | methyl n-amyl ketone (2-heptanone) | 110-43-0 | PEL (CA) | 50 | 235 | | | | | | Cal/OSHA PEL |
| US | xylene, mixture of isomers | 1330-20-7 | TLV® | 20 | | | | | | | ACGIH® 2024 |
| US | xylene (dimethylbenzene) | 1330-20-7 | PEL (CA) | 100 | 435 | 150 | 655 | 300 | | | Cal/OSHA PEL |
| US | xylenes (o-, m-, p-isomers) | 1330-20-7 | PEL | 100 | 435 | | | | | | 29 CFR 1910.1000 |
| US | carbon black | 1333-86-4 | PEL (CA) | | 3.5 | | | | | | Cal/OSHA PEL |
| US | carbon black | 1333-86-4 | PEL | | 3.5 | | | | | | 29 CFR 1910.1000 |

Occupational exposure limit values (Workplace Exposure Limits)

| Country | Name of agent | CAS No | Identifier | TWA [ppm] | TWA [mg/m³] | STEL [ppm] | STEL [mg/m³] | Ceiling-C [ppm] | Ceiling-C [mg/m³] | Notation | Source |
|---|---|---|---|---|---|---|---|---|---|---|---|
| US | carbon black | 1333-86-4 | REL | | 3.5 (10 h) | | | | | appx-A, appx-C | NIOSH REL |
| US | carbon black | 1333-86-4 | TLV® | | 3 | | | | | i | ACGIH® 2024 |
| US | carbon black in presence of polycyclic aromatic hydrocarbons (PAHs) | 1333-86-4 | REL | | 0.1 (10 h) | | | | | PAHs, appx-A, appx-C | NIOSH REL |
| US | titanium dioxide | 13463-67-7 | PEL | | 15 | | | | | dust | 29 CFR 1910.1000 |
| US | titanium dioxide | 13463-67-7 | REL | | | | | | | lowest, appx-A | NIOSH REL |
| US | titanium dioxide | 13463-67-7 | TLV® | | 2.5 | | | | | r, fine | ACGIH® 2024 |
| US | titanium dioxide | 13463-67-7 | TLV® | | 0.2 | | | | | r, nano | ACGIH® 2024 |
| US | aluminium, insoluble compounds | 21645-51-2 | TLV® | | 1 | | | | | r | ACGIH® 2024 |
| US | aluminium | 7429-90-5 | REL | | 10 (10 h) | | | | | | NIOSH REL |
| US | aluminium | 7429-90-5 | PEL (CA) | | 10 | | | | | dust | Cal/OSHA PEL |
| US | aluminium | 7429-90-5 | PEL | | 15 | | | | | dust | 29 CFR 1910.1000 |
| US | aluminium | 7429-90-5 | PEL (CA) | | 5 | | | | | fume_weld | Cal/OSHA PEL |
| US | aluminium | 7429-90-5 | REL | | 5 (10 h) | | | | | fume_weld | NIOSH REL |
| US | aluminium | 7429-90-5 | PEL (CA) | | 5 | | | | | pyro_p | Cal/OSHA PEL |
| US | aluminium | 7429-90-5 | REL | | 5 (10 h) | | | | | pyro_p | NIOSH REL |
| US | aluminium | 7429-90-5 | PEL (CA) | | 5 | | | | | r | Cal/OSHA PEL |
| US | aluminium | 7429-90-5 | REL | | 5 (10 h) | | | | | r | NIOSH REL |
| US | aluminium | 7429-90-5 | TLV® | | 1 | | | | | r | ACGIH® 2024 |

Occupational exposure limit values (Workplace Exposure Limits)

| Country | Name of agent | CAS No | Identifier | TWA [ppm] | TWA [mg/m³] | STEL [ppm] | STEL [mg/m³] | Ceiling-C [ppm] | Ceiling-C [mg/m³] | Notation | Source |
|---|---|---|---|---|---|---|---|---|---|---|---|
| US | aluminium | 7429-90-5 | PEL | | 5 | | | | | r | 29 CFR 1910.1000 |
| 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 | | | | | | | ACGIH® 2024 |
| US | stoddard solvent | 8052-41-3 | PEL | 500 | 2,900 | | | | | | 29 CFR 1910.1000 |

Notation

| | |
|---|---|
| appx-A | NIOSH Potential Occupational Carcinogen (Appendix A) |
| appx-C | Appendix C - Supplementary Exposure Limits |
| Ceiling-C | ceiling value is a limit value above which exposure should not occur |
| dur-5m-3h | 5 min. in any 3 hours |
| dust | as dust |
| fine | fineparticle |
| fume_weld | as welding fumes |
| H | absorbed through the skin |
| i | inhalable fraction |
| lowest | exposure by all routes should be carefully controlled to levels as low as possible |
| nano | nanoparticle |
| PAHs | as polycyclic aromatic hydrocarbons (PAHs) |
| pyro_p | as pyrophoric powder |
| 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 |

Biological limit values

| Country | Name of agent | Parameter | Notation | Identifier | Value | Source |
|---|---|---|---|---|---|---|
| US | ethylbenzene | Sum of mandelic acid and phenylglyoxylic acid | crea | BEI® | 150 mg/g | ACGIH® 2024 |
| US | styrene | styrene | | BEI® | 20 µg/l | ACGIH® 2024 |
| US | styrene | Mandelic acid plus phenylglyoxylic acid | crea | BEI® | 150 mg/g | ACGIH® 2024 |
| US | xylene, mixture of isomers | methylhippuric acids | crea | BEI® | 0.3 g/g | ACGIH® 2024 |

Notation

| | |
|---|---|
| crea | creatinine |

Relevant DNELs of components

| Name of substance | CAS No | Endpoint | Threshold level | Protection goal, route of exposure | Used in | Exposure time |
|---|---|---|---|---|---|---|
| methyl amyl ketone | 110-43-0 | DNEL | 394.3 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| methyl amyl ketone | 110-43-0 | DNEL | 1,516 mg/m³ | human, inhalatory | worker (industry) | acute - systemic effects |
| methyl amyl ketone | 110-43-0 | DNEL | 54.27 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |
| xylene | 1330-20-7 | DNEL | 221 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| xylene | 1330-20-7 | DNEL | 442 mg/m³ | human, inhalatory | worker (industry) | acute - systemic effects |
| xylene | 1330-20-7 | DNEL | 221 mg/m³ | human, inhalatory | worker (industry) | chronic - local effects |
| xylene | 1330-20-7 | DNEL | 442 mg/m³ | human, inhalatory | worker (industry) | acute - local effects |
| xylene | 1330-20-7 | DNEL | 212 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |
| ethyl benzene | 100-41-4 | DNEL | 77 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| ethyl benzene | 100-41-4 | DNEL | 293 mg/m³ | human, inhalatory | worker (industry) | acute - local effects |
| ethyl benzene | 100-41-4 | DNEL | 180 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |
| 4-chloro-α,α,α-trifluorotoluene | 98-56-6 | DNEL | 1.025 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| 4-chloro-α,α,α-trifluorotoluene | 98-56-6 | DNEL | 0.4 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |
| 4-chloro-α,α,α-trifluorotoluene | 98-56-6 | DNEL | 17.6 µg/cm² | human, dermal | worker (industry) | acute - local effects |
| dibutyltin dilaurate | 77-58-7 | DNEL | 0.02 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| dibutyltin dilaurate | 77-58-7 | DNEL | 0.059 mg/m³ | human, inhalatory | worker (industry) | acute - systemic effects |
| dibutyltin dilaurate | 77-58-7 | DNEL | 0.43 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |
| dibutyltin dilaurate | 77-58-7 | DNEL | 2.08 mg/kg bw/day | human, dermal | worker (industry) | acute - systemic effects |
| 2-(2H-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol [UV-328] | 25973-55-1 | DNEL | 0.7 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| 2-(2H-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol [UV-328] | 25973-55-1 | DNEL | 0.3 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |
| styrene | 100-42-5 | DNEL | 85 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |

Relevant DNELs of components

| Name of substance | CAS No | Endpoint | Threshold level | Protection goal, route of exposure | Used in | Exposure time |
|---|---|---|---|---|---|---|
| styrene | 100-42-5 | DNEL | 289 mg/m³ | human, inhalatory | worker (industry) | acute - systemic effects |
| styrene | 100-42-5 | DNEL | 306 mg/m³ | human, inhalatory | worker (industry) | acute - local effects |
| styrene | 100-42-5 | DNEL | 406 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |
| stoddard solvent | 8052-41-3 | DNEL | 44 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| stoddard solvent | 8052-41-3 | DNEL | 55 mg/m³ | human, inhalatory | worker (industry) | acute - systemic effects |
| stoddard solvent | 8052-41-3 | DNEL | 44 mg/m³ | human, inhalatory | worker (industry) | chronic - local effects |
| stoddard solvent | 8052-41-3 | DNEL | 55 mg/m³ | human, inhalatory | worker (industry) | acute - local effects |
| stoddard solvent | 8052-41-3 | DNEL | 80 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |
| stoddard solvent | 8052-41-3 | DNEL | 30 mg/kg bw/day | human, dermal | worker (industry) | acute - systemic effects |
| Aluminium hydroxide | 21645-51-2 | DNEL | 10.76 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| Aluminium hydroxide | 21645-51-2 | DNEL | 10.76 mg/m³ | human, inhalatory | worker (industry) | chronic - local effects |

Relevant PNECs of components

| Name of substance | CAS No | Endpoint | Threshold level | Organism | Environmental compartment | Exposure time |
|---|---|---|---|---|---|---|
| methyl amyl ketone | 110-43-0 | PNEC | 0.098 $^{mg}/_{l}$ | aquatic organisms | freshwater | short-term (single instance) |
| methyl amyl ketone | 110-43-0 | PNEC | 0.01 $^{mg}/_{l}$ | aquatic organisms | marine water | short-term (single instance) |
| methyl amyl ketone | 110-43-0 | PNEC | 12.5 $^{mg}/_{l}$ | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| methyl amyl ketone | 110-43-0 | PNEC | 1.89 $^{mg}/_{kg}$ | aquatic organisms | freshwater sediment | short-term (single instance) |
| methyl amyl ketone | 110-43-0 | PNEC | 0.189 $^{mg}/_{kg}$ | aquatic organisms | marine sediment | short-term (single instance) |
| methyl amyl ketone | 110-43-0 | PNEC | 0.321 $^{mg}/_{kg}$ | terrestrial organisms | soil | short-term (single instance) |
| xylene | 1330-20-7 | PNEC | 0.327 $^{mg}/_{l}$ | aquatic organisms | freshwater | short-term (single instance) |
| xylene | 1330-20-7 | PNEC | 0.327 $^{mg}/_{l}$ | aquatic organisms | marine water | short-term (single instance) |

Relevant PNECs of components

| Name of substance | CAS No | Endpoint | Threshold level | Organism | Environmental compartment | Exposure time |
|---|---|---|---|---|---|---|
| xylene | 1330-20-7 | PNEC | 6.58 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| xylene | 1330-20-7 | PNEC | 12.46 mg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| xylene | 1330-20-7 | PNEC | 12.46 mg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| xylene | 1330-20-7 | PNEC | 2.31 mg/kg | terrestrial organisms | soil | short-term (single instance) |
| ethyl benzene | 100-41-4 | PNEC | 0.1 mg/l | aquatic organisms | freshwater | short-term (single instance) |
| ethyl benzene | 100-41-4 | PNEC | 0.01 mg/l | aquatic organisms | marine water | short-term (single instance) |
| ethyl benzene | 100-41-4 | PNEC | 9.6 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| ethyl benzene | 100-41-4 | PNEC | 13.7 mg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| ethyl benzene | 100-41-4 | PNEC | 1.37 mg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| ethyl benzene | 100-41-4 | PNEC | 2.68 mg/kg | terrestrial organisms | soil | short-term (single instance) |
| 4-chloro-α,α,α-trifluorotoluene | 98-56-6 | PNEC | 2 µg/l | aquatic organisms | freshwater | short-term (single instance) |
| 4-chloro-α,α,α-trifluorotoluene | 98-56-6 | PNEC | 0.2 µg/l | aquatic organisms | marine water | short-term (single instance) |
| 4-chloro-α,α,α-trifluorotoluene | 98-56-6 | PNEC | 0.032 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| 4-chloro-α,α,α-trifluorotoluene | 98-56-6 | PNEC | 0.022 mg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| 4-chloro-α,α,α-trifluorotoluene | 98-56-6 | PNEC | 0.002 mg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| 4-chloro-α,α,α-trifluorotoluene | 98-56-6 | PNEC | 0.026 mg/kg | terrestrial organisms | soil | short-term (single instance) |
| dibutyltin dilaurate | 77-58-7 | PNEC | 0 mg/l | aquatic organisms | freshwater | short-term (single instance) |
| dibutyltin dilaurate | 77-58-7 | PNEC | 0 mg/l | aquatic organisms | marine water | short-term (single instance) |
| dibutyltin dilaurate | 77-58-7 | PNEC | 100 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| dibutyltin dilaurate | 77-58-7 | PNEC | 0.05 mg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |

Relevant PNECs of components

| Name of substance | CAS No | Endpoint | Threshold level | Organism | Environmental compartment | Exposure time |
|---|---|---|---|---|---|---|
| dibutyltin dilaurate | 77-58-7 | PNEC | 0.005 $^{mg}/_{kg}$ | aquatic organisms | marine sediment | short-term (single instance) |
| dibutyltin dilaurate | 77-58-7 | PNEC | 0.041 $^{mg}/_{kg}$ | terrestrial organisms | soil | short-term (single instance) |
| 2-(2H-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol [UV-328] | 25973-55-1 | PNEC | 0.01 $^{mg}/_{l}$ | aquatic organisms | freshwater | short-term (single instance) |
| 2-(2H-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol [UV-328] | 25973-55-1 | PNEC | 0.001 $^{mg}/_{l}$ | aquatic organisms | marine water | short-term (single instance) |
| 2-(2H-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol [UV-328] | 25973-55-1 | PNEC | 1 $^{mg}/_{l}$ | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| 2-(2H-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol [UV-328] | 25973-55-1 | PNEC | 451 $^{mg}/_{kg}$ | aquatic organisms | freshwater sediment | short-term (single instance) |
| 2-(2H-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol [UV-328] | 25973-55-1 | PNEC | 45.1 $^{mg}/_{kg}$ | aquatic organisms | marine sediment | short-term (single instance) |
| 2-(2H-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol [UV-328] | 25973-55-1 | PNEC | 90 $^{mg}/_{kg}$ | terrestrial organisms | soil | short-term (single instance) |
| styrene | 100-42-5 | PNEC | 0.028 $^{mg}/_{l}$ | aquatic organisms | freshwater | short-term (single instance) |
| styrene | 100-42-5 | PNEC | 0.014 $^{mg}/_{l}$ | aquatic organisms | marine water | short-term (single instance) |
| styrene | 100-42-5 | PNEC | 5 $^{mg}/_{l}$ | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| styrene | 100-42-5 | PNEC | 0.614 $^{mg}/_{kg}$ | aquatic organisms | freshwater sediment | short-term (single instance) |
| styrene | 100-42-5 | PNEC | 0.307 $^{mg}/_{kg}$ | aquatic organisms | marine sediment | short-term (single instance) |
| styrene | 100-42-5 | PNEC | 0.2 $^{mg}/_{kg}$ | terrestrial organisms | soil | short-term (single instance) |
| stoddard solvent | 8052-41-3 | PNEC | 0.14 $^{mg}/_{l}$ | aquatic organisms | freshwater | short-term (single instance) |
| stoddard solvent | 8052-41-3 | PNEC | 0.35 $^{mg}/_{l}$ | aquatic organisms | marine water | short-term (single instance) |
| stoddard solvent | 8052-41-3 | PNEC | 1.14 $^{mg}/_{kg}$ | aquatic organisms | freshwater sediment | short-term (single instance) |
| stoddard solvent | 8052-41-3 | PNEC | 0.14 $^{mg}/_{kg}$ | aquatic organisms | marine sediment | 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.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Appearance**

| | |
|---|---|
| Physical state | liquid |
| Color | not determined |
| Particle | not relevant (liquid) |
| Odor | characteristic |

**Other safety parameters**

| | |
|---|---|
| pH (value) | not determined |
| Melting point/freezing point | not determined |
| Initial boiling point and boiling range | 126.2 °C at 1,013 hPa |
| Flash point | -4 °C at 1,013 hPa |
| Evaporation rate | Not determined |
| Flammability (solid, gas) | not relevant, (fluid) |

Explosive limits

| | |
|---|---|
| - Lower explosion limit (LEL) | 1.1 vol% |
| - Upper explosion limit (UEL) | 7 vol% |

| | |
|---|---|
| Vapor pressure | 0.207 PSI at 85 °F |
| Density | 7.28 $^{lb}/_{gal}$ |
| Vapor density | this information is not available |
| Solubility(ies) | not determined |

Partition coefficient

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

| | |
|---|---|
| Auto-ignition temperature | 260 °C (auto-ignition temperature (liquids and gases)) |
| Viscosity | not determined |
| Explosive properties | none |
| Oxidizing properties | none |

### 9.2 Other information

| | |
|---|---|
| Solid content | 46.83 % |

## 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.

## 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 in contact with skin or if inhaled.

Acute toxicity estimate (ATE) of components

| Name of substance | CAS No | Exposure route | ATE |
|---|---|---|---|
| methyl amyl ketone | 110-43-0 | oral | 1,600 $^{mg}/_{kg}$ |
| methyl amyl ketone | 110-43-0 | inhalation: vapor | >16.7 $^{mg}/_{l}$/4h |
| xylene | 1330-20-7 | dermal | 1,100 $^{mg}/_{kg}$ |
| xylene | 1330-20-7 | inhalation: vapor | 11 $^{mg}/_{l}$/4h |
| ethyl benzene | 100-41-4 | inhalation: vapor | 11 $^{mg}/_{l}$/4h |
| 2-(2H-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol [UV-328] | 25973-55-1 | dermal | >1,100 $^{mg}/_{kg}$ |
| 2-(2H-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol [UV-328] | 25973-55-1 | inhalation: dust/mist | >0.4 $^{mg}/_{l}$/4h |
| styrene | 100-42-5 | inhalation: vapor | 11 $^{mg}/_{l}$/4h |
| aluminium powder (pyrophoric) | 7429-90-5 | inhalation: dust/mist | >0.888 $^{mg}/_{l}$/4h |
| stoddard solvent | 8052-41-3 | inhalation: vapor | >5.5 $^{mg}/_{l}$/4h |
| Aluminium hydroxide | 21645-51-2 | inhalation: dust/mist | 3.8 $^{mg}/_{l}$/4h |

#### Skin corrosion/irritation

Causes skin irritation.

#### 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.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

| Name of substance | CAS No | Classification | Number |
|---|---|---|---|
| ethyl benzene | 100-41-4 | 2B | |
| styrene | 100-42-5 | 2A | |
| xylene | 1330-20-7 | 3 | |
| Carbon black | 1333-86-4 | 2B | |
| 4-chloro-α,α,α-trifluorotoluene | 98-56-6 | 2B | |
| Titanium dioxide- part | 13463-67-7 | 2B | |

Legend

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

National Toxicology Program (United States): Report on Carcinogens

| Name of substance | CAS No | Classification | Number |
|---|---|---|---|
| styrene | 100-42-5 | Reasonably anticipated to be a human carcino-gen | 12th Report on Carcinogens |
| Carbon black | 1333-86-4 | Known to be human carcinogens | 1st Report on Carcinogens |

### Reproductive toxicity

May damage the unborn child. May damage fertility.

### 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

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

| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
|---|---|---|---|---|---|
| butyl acetate | 123-86-4 | LC50 | 18 mg/l | fish | 96 h |
| butyl acetate | 123-86-4 | EC50 | 18 mg/l | fish | 96 h |
| butyl acetate | 123-86-4 | ErC50 | 335 mg/l | algae | 24 h |
| methyl amyl ketone | 110-43-0 | LC50 | 131 mg/l | fish | 96 h |
| methyl amyl ketone | 110-43-0 | EC50 | >90.1 mg/l | aquatic invertebrates | 48 h |
| methyl amyl ketone | 110-43-0 | ErC50 | 98.2 mg/l | algae | 72 h |
| xylene | 1330-20-7 | LC50 | 8.4 mg/l | fish | 96 h |
| xylene | 1330-20-7 | EC50 | 4.9 mg/l | algae | 72 h |
| xylene | 1330-20-7 | ErC50 | 4.7 mg/l | algae | 72 h |
| Carbon black | 1333-86-4 | EC50 | >5,600 mg/l | aquatic invertebrates | 24 h |
| Carbon black | 1333-86-4 | ErC50 | >10,000 mg/l | algae | 72 h |
| ethyl benzene | 100-41-4 | LC50 | 7 mg/l | fish | 24 h |
| ethyl benzene | 100-41-4 | EC50 | 2.4 mg/l | aquatic invertebrates | 48 h |
| 4-chloro-α,α,α-trifluoro-toluene | 98-56-6 | LC50 | 6.5 mg/l | fish | 24 h |
| 4-chloro-α,α,α-trifluoro-toluene | 98-56-6 | ErC50 | >0.41 mg/l | algae | 72 h |
| 4-chloro-α,α,α-trifluoro-toluene | 98-56-6 | EC50 | >0.41 mg/l | algae | 72 h |
| dibutyltin dilaurate | 77-58-7 | LC50 | 21.2 mg/l | fish | 96 h |
| dibutyltin dilaurate | 77-58-7 | EC50 | 3.4 mg/l | aquatic invertebrates | 48 h |
| 2-(2H-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol [UV-328] | 25973-55-1 | LC50 | >100 mg/l | fish | 24 h |
| styrene | 100-42-5 | LC50 | 10 mg/l | fish | 96 h |
| styrene | 100-42-5 | EC50 | 3.32 mg/l | fish | 96 h |
| styrene | 100-42-5 | ErC50 | 4.9 mg/l | algae | 72 h |
| stoddard solvent | 8052-41-3 | LC50 | 0.18 mg/l | fish | 96 h |
| stoddard solvent | 8052-41-3 | LL50 | 41.4 mg/l | fish | 96 h |

Aquatic toxicity (acute) of components

| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
|---|---|---|---|---|---|
| stoddard solvent | 8052-41-3 | EL50 | 2.5 mg/l | algae | 96 h |
| stoddard solvent | 8052-41-3 | EC50 | 0.58 mg/l | algae | 96 h |

Aquatic toxicity (chronic) of components

| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
|---|---|---|---|---|---|
| butyl acetate | 123-86-4 | EC50 | 34.2 mg/l | aquatic invertebrates | 21 d |
| butyl acetate | 123-86-4 | LC50 | 43.5 mg/l | aquatic invertebrates | 21 d |
| methyl amyl ketone | 110-43-0 | EC50 | 690 mg/l | microorganisms | 16 h |
| xylene | 1330-20-7 | EL50 | 2.9 mg/l | aquatic invertebrates | 21 d |
| xylene | 1330-20-7 | ErC50 | 4.36 mg/l | algae | 73 h |
| xylene | 1330-20-7 | EC50 | 2.2 mg/l | algae | 73 h |
| ethyl benzene | 100-41-4 | LC50 | 3.6 mg/l | aquatic invertebrates | 7 d |
| 4-chloro-α,α,α-trifluoro-toluene | 98-56-6 | EC50 | 242.1 mg/l | microorganisms | 30 min |
| dibutyltin dilaurate | 77-58-7 | EC50 | >1,000 mg/l | microorganisms | 3 h |
| styrene | 100-42-5 | EC50 | 1.88 mg/l | aquatic invertebrates | 21 d |
| styrene | 100-42-5 | LC50 | >3.84 mg/l | aquatic invertebrates | 21 d |
| stoddard solvent | 8052-41-3 | EL50 | 1.19 mg/l | aquatic invertebrates | 21 d |
| stoddard solvent | 8052-41-3 | EC50 | 0.33 mg/l | aquatic invertebrates | 21 d |

## 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

According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance at a concentration of ≥ 0.1%.

## 12.6 Endocrine disrupting properties

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

## 12.7 Other adverse effects

Data are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

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

**Remarks**

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

## SECTION 14: Transport information

### 14.1 UN number

| | |
|---|---|
| DOT | UN 1263 |
| IMDG-Code | UN 1263 |
| ICAO-TI | UN 1263 |

### 14.2 UN proper shipping name

| | |
|---|---|
| DOT | Paint |
| IMDG-Code | PAINT |
| ICAO-TI | Paint |

### 14.3 Transport hazard class(es)

| | |
|---|---|
| DOT | 3 |
| IMDG-Code | 3 |
| ICAO-TI | 3 |

### 14.4 Packing group

| | |
|---|---|
| DOT | II |
| IMDG-Code | II |
| ICAO-TI | II |

### 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 IMO instruments

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**

| | |
|---|---|
| Particulars in the shipper's declaration | UN1263, Paint, 3, II |
| Reportable quantity (RQ) | 647.4 lbs (293.9 kg) (xylene) (ethyl benzene) |
| Danger label(s) | 3 |

| | |
|---|---|
| Special provisions (SP) | 149, 367, B52, B131, IB2, T4, TP1, TP8, TP28 |
| ERG No | 128 |

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

| | |
|---|---|
| Marine pollutant | - |
| Danger label(s) | 3 |

| | |
|---|---|
| Special provisions (SP) | 163, 367 |
| Excepted quantities (EQ) | E2 |
| Limited quantities (LQ) | 5 L |
| EmS | F-E, S-E |
| Stowage category | B |

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

| | |
|---|---|
| Danger label(s) | 3 |

| | |
|---|---|
| Special provisions (SP) | A3, A72, A192 |
| Excepted quantities (EQ) | E2 |
| Limited quantities (LQ) | 1 L |

## 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

- Specific Toxic Chemical Listings (EPCRA Section 313)

| Toxics Release Inventory: Specific Toxic Chemical Listings | | | |
|---|---|---|---|
| **Name of substance** | **CAS No** | **Remarks** | **Effective date** |
| ethyl benzene | 100-41-4 | | 1986-12-31 |
| styrene | 100-42-5 | | 1986-12-31 |
| aluminium powder (pyrophoric) | 7429-90-5 | fume or dust | 1986-12-31 |
| xylene | 1330-20-7 | | 1986-12-31 |

### 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) |
|---|---|---|---|---|
| ethyl benzene | 100-41-4 | | 1<br>2<br>3 | 1000 (454) |
| styrene | 100-42-5 | | 1<br>3 | 1000 (454) |
| xylene | 1330-20-7 | | 1<br>3<br>4 | 100 (45,4) |

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

### 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 | CAS No | Functionality | Authoritative Lists |
|---|---|---|---|
| xylene | 1330-20-7 | | ATSDR Neurotoxicants<br>CA MCLs<br>CA TACs<br>IRIS Neurotoxicants<br>OEHHA RELs |
| Carbon black | 1333-86-4 | | IARC Carcinogens - 2B<br>Prop 65 |
| ethyl benzene | 100-41-4 | | ATSDR Neurotoxicants<br>CA MCLs<br>CA TACs<br>CWA 303(c)<br>IARC Carcinogens - 2B<br>OEHHA RELs<br>Prop 65 |

| Name of substance | CAS No | Functionality | Authoritative Lists |
|---|---|---|---|
| Titanium dioxide- part | 13463-67-7 | | IARC Carcinogens - 2B<br>Prop 65 |
| 4-chloro-α,α,α-trifluorotoluene | 98-56-6 | | IARC Carcinogens - 2B<br>Prop 65 |
| dibutyltin dilaurate | 7440-31-5 | | OSPAR Priority Action Part A |
| 2-(2H-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol [UV-328] | 25973-55-1 | | EC PBTs |
| styrene | 100-42-5 | | ATSDR Neurotoxicants<br>CA MCLs<br>CA TACs<br>IARC Carcinogens - 2A<br>IRIS Neurotoxicants<br>NTP 13th RoC - reasonable<br>OEHHA RELs<br>Prop 65 |
| aluminium powder (pyrophoric) | 7429-90-5 | | ATSDR Neurotoxicants<br>CA MCLs<br>CWA 303(d) |
| bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate | 41556-26-7 | | Canada PBiTs |
| stoddard solvent | 8052-41-3 | | ATSDR Neurotoxicants<br>EC Annex VI CMRs - Cat. 1B |

- Toxic or Hazardous Substance List (MA-TURA)

| Name of substance | CAS No | DEP CODE | PBT / HHS / LHS | PBT / HHS Threshold | De Minimis Concentration Threshold |
|---|---|---|---|---|---|
| ethyl benzene | 100-41-4 | | | | 0.1 % |
| styrene | 100-42-5 | | | | 0.1 % |
| aluminium powder (pyrophoric) | 7429-90-5 | | | | 1.0 % |
| xylene | 1330-20-7 | | | | 1.0 % |
| butyl acetate | 123-86-4 | | LHS | | 1.0 % |

- Hazardous Substances List (MN-ERTK)

| Name of substance | CAS No | References | Remarks |
|---|---|---|---|
| ethyl benzene | 100-41-4 | A, O | |
| styrene | 100-42-5 | A, N, O, * | skin |
| methyl amyl ketone | 110-43-0 | A, N, O | |
| xylene | 1330-20-7 | A, N, O | |
| Carbon black | 1333-86-4 | A, N, O, R, * | |
| CAB-531-1 | | A | dust |
| butyl acetate | 123-86-4 | A, O | |

| Name of substance | CAS No | References | Remarks |
|---|---|---|---|
| Titanium dioxide- part | 13463-67-7 | A | |

Legend

| | |
|---|---|
| * | Substances which are regulated by OSHA as carcinogens; have been categorized by the ACGIH as either "human carcinogens" or "suspect of carcinogenic potential for man"; have been evaluated by the International Agency for Research on Cancer (IARC) and found to be carcinogens or potential carcinogens; or have been listed as a carcinogen or potential carcinogen in the Annual Report on Carcinogens published by the National Toxicology Program (NTP). |
| 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." |
| N | National Institute for Occupational Safety and Health (NIOSH), "Recommendations for Occupational Safety and Health Standards," August 1988, available from NIOSH, Publications Dissemination Office, Division of Standards Development and Technology Transfer |
| O | Occupational Safety and Health Administration (OSHA), Safety and Health Standards, Code of Federal Regulations, title 29, part 1910, subpart Z, "Toxic and Hazardous Substances, 1990." General information: Minnesota Department of Labor and Industry, Occupational Safety and Health Division |
| R | International Agency for Research on Cancer (IARC) Monographs on the Evaluation of the Carcinogenic Risks to Humans; Overall Evaluations of Carcinogenicity: An Updating of IARC Monographs Volumes 1 to 42, Supplement 7 (1987). Available from: WHO Publications Centre USA |
| skin | If a potential for absorption from skin contact merits special consideration, the word "skin" follows the substance name. |

## - Hazardous Substance List (NJ-RTK)

| Name of substance | CAS No | Remarks | Classifications |
|---|---|---|---|
| ethyl benzene | 100-41-4 | | CA<br>F3 |
| styrene | 100-42-5 | | CA<br>F3<br>R2 |
| aluminium powder (pyrophoric) | 7429-90-5 | | F3<br>R1 |
| stoddard solvent | 8052-41-3 | | F2 |
| methyl amyl ketone | 110-43-0 | | F2 |
| xylene | 1330-20-7 | | F3 |
| Carbon black | 1333-86-4 | | CA |
| butyl acetate | 123-86-4 | | F3 |
| Titanium dioxide- part | 13463-67-7 | | |

Legend

| | |
|---|---|
| CA | Carcinogenic |
| F2 | Flammable - Second Degree |
| F3 | Flammable - Third Degree |
| R1 | Reactive - First Degree |
| R2 | Reactive - Second Degree |

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

| Name acc. to inventory | CAS No | Classification |
|---|---|---|
| BENZENE, ETHYL- | 100-41-4 | E |
| BENZENE, ETHENYL- | 100-42-5 | E |
| ALUMINUM | 7429-90-5 | E |
| ALUMINUM PRODUCTION | | S |
| 2-HEPTANONE | 110-43-0 | |
| BENZENE, DIMETHYL- | 1330-20-7 | E |
| CARBON BLACK | 1333-86-4 | |
| ACETIC ACID, BUTYL ESTER | 123-86-4 | E |
| TITANIUM OXIDE (TIO2) | 13463-67-7 | |

Legend
E Environmental hazard
S Special hazardous substance

- Hazardous Substance List (RI-RTK)

| Name of substance | CAS No | References |
|---|---|---|
| ethyl benzene | 100-41-4 | T, F |
| styrene | 100-42-5 | T, F |
| styrene | 100-42-5 | T, F |
| styrene | 100-42-5 | T, F |
| aluminium powder (pyrophoric) | 7429-90-5 | T, F |
| dibutyltin dilaurate | 7440-31-5 | T |
| stoddard solvent | 8052-41-3 | T |
| methyl amyl ketone | 110-43-0 | T |
| methyl amyl ketone | 110-43-0 | T |
| xylene | 1330-20-7 | T, F |
| xylene | 1330-20-7 | T, F |
| xylene | 1330-20-7 | T, F |
| Carbon black | 1333-86-4 | T |
| butyl acetate | 123-86-4 | T, F |
| Titanium dioxide- part | 13463-67-7 | T |

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

### 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 |
|---|---|---|---|
| ethylbenzene | 100-41-4 | | cancer |
| styrene | 100-42-5 | | cancer |
| carbon black | 1333-86-4 | airborne, unbound particles of respirable size | cancer |
| p-chloro-α,α,α-trifluorotoluene (para-Chlorobenzotrifluoride, PCBTF) | 98-56-6 | | cancer |
| titanium dioxide | 13463-67-7 | airborne, unbound particles of respirable size | 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 | 3 | material that can be ignited under almost all ambient temperature conditions |
| 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 | 3 | material that can be ignited under almost all ambient temperature conditions |
| 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 |
|---|---|---|
| US | TSCA | all ingredients are listed (ACTIVE) |

Legend
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

### 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).

### Disclaimer

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