



# Safety Data Sheet

Document #: SDS26120

## HyKote(TM) 5000 Light Gray

Version number: GHS 0.0

Date of compilation: 2023-03-28

### SECTION 1: Identification

#### 1.1 Product identifier

|                       |                                   |
|-----------------------|-----------------------------------|
| Trade name            | <b>HyKote(TM) 5000 Light Gray</b> |
| Alternative number(s) | 50-RF-LG                          |

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

|                          |                  |
|--------------------------|------------------|
| Relevant identified uses | Professional use |
|--------------------------|------------------|

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

Blair Rubber Co.  
5020 Enterprise Parkway  
Seville Ohio 44273  
United States

Telephone: 1-800-321-5583  
Telefax: 1-330-769-9334  
e-mail: Technical@BlairRubber.com  
Website: BlairRubber.com

#### 1.4 Emergency telephone number

|                               |   |
|-------------------------------|---|
| Emergency information service | 800-424-9300 (Chemtrec); 202-483-7616 (International) |
|-------------------------------|---|

### 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.6     | carcinogenicity   | 2        | Carc. 2                   | H351             |
| A.8D    | specific target organ toxicity - single exposure (narcotic effects, drowsiness) | 3        | STOT SE 3                 | H336             |
| A.10    | aspiration hazard   | 1        | Asp. Tox. 1               | H304             |
| B.6     | flammable liquid  | 3        | Flam. Liq. 3              | H226             |

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

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





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### - Hazard statements

|      |   |
|------|---|
| H226 | Flammable liquid and vapor.                   |
| H304 | May be fatal if swallowed and enters airways. |
| H336 | May cause drowsiness or dizziness.            |
| H351 | Suspected of causing cancer.                  |

### - Precautionary statements

|                |   |
|----------------|---|
| P201           | Obtain special instructions before use.   |
| P210           | Keep away from heat/sparks/open flames/hot surfaces. No smoking.                                    |
| 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.   |
| P261           | Avoid breathing dust/fume/gas/mist/vapors/spray.  |
| P271           | Use only outdoors or in a well-ventilated area.   |
| P280           | Wear protective gloves/eye protection/face protection.  |
| P301+P310      | If swallowed: Immediately call a poison center/doctor.  |
| P303+P361+P353 | If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P304+P340      | If inhaled: Remove person to fresh air and keep comfortable for breathing.                          |
| P312           | Call a poison center/doctor if you feel unwell.   |
| P331           | Do NOT induce vomiting.   |
| P370+P378      | In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.                     |
| P403+P233      | Store in a well-ventilated place. Keep container tightly closed.                                    |
| P403+P235      | Store in a well-ventilated place. Keep cool.  |
| P405           | Store locked up.  |
| P501           | Dispose of contents/container to industrial combustion plant.                                       |

### - Hazardous ingredients for labelling

Parachlorobenzotrifluoride, C9-C11 Isoalkanes, Titanium dioxide, Toluene

## 2.3 Other hazards

Hazards not otherwise classified

- May be harmful in contact with skin (GHS category 5: acutely toxic - dermal).
- May be harmful if inhaled (GHS category 5: acutely toxic - inhalation).
- Very toxic to aquatic life with long lasting effects (GHS category 1: aquatic toxicity - acute and/or chronic).

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance in a concentration of  $\geq 0,1\%$ .

Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of  $\geq 0,1\%$ .

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not relevant (mixture)






### 3.2 Mixtures

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### Description of the mixture

| Name of substance          | Identifier           | Wt%       | Classification acc. to GHS   | Pictograms   |
|----------------------------|----------------------|-----------|--|--|
| C9-C11 Isoalkanes          | CAS No<br>68551-16-6 | 25 - < 50 | Acute Tox. 3 / H331<br>STOT SE 3 / H336<br>Asp. Tox. 1 / H304<br>Flam. Liq. 3 / H226<br>EUH066<br>HNOC002<br>HNOC008 |   |
| Parachlorobenzotrifluoride | CAS No<br>98-56-6    | 25 - < 50 | Carc. 2 / H351<br>Flam. Liq. 3 / H226<br>HNOC002<br>HNOC005  |   |
| Titanium dioxide           | CAS No<br>13463-67-7 | 5 - < 10  | Carc. 2 / H351   |   |
| Alumina Trihydrate         | CAS No<br>21645-51-2 | 5 - < 10  | Acute Tox. 4 / H332<br>HNOC001   |   |
| Calcined Clay              | CAS No<br>92704-41-1 | 1 - < 5   | Acute Tox. 4 / H332  |  |

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

Narcotic effects.

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

none



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### SECTION 5: Fire-fighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media

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

Unsuitable extinguishing media

Water jet

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

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

Hazardous combustion products

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

#### 5.3 Advice for firefighters

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

### 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.



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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

**Combustible dust, may give rise to explosion hazards.** 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/m <sup>3</sup> ] | STEL [ppm] | STEL [mg/m <sup>3</sup> ] | Ceiling-C [ppm] | Ceiling-C [mg/m <sup>3</sup> ] | Notation       | Source           |
| US   | titanium dioxide | 13463-67-7 | PEL        |           | 15                       |            |                           |                 |                                | i, dust        | 29 CFR 1910.1000 |
| US   | titanium dioxide | 13463-67-7 | REL        |           |                          |            |                           |                 |                                | lowest, appx-A | NIOSH REL        |



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

| Country | Name of agent                  | CAS No     | Identifier | TWA [ppm] | TWA [mg/m <sup>3</sup> ] | STEL [ppm] | STEL [mg/m <sup>3</sup> ] | Ceiling-C [ppm] | Ceiling-C [mg/m <sup>3</sup> ] | Notation | Source      |
|---------|--------------------------------|------------|------------|-----------|--------------------------|------------|---------------------------|-----------------|--------------------------------|----------|-------------|
| US      | titanium dioxide               | 13463-67-7 | TLV®       |           | 2.5                      |            |                           |                 |                                | r, fine  | ACGIH® 2023 |
| US      | titanium dioxide               | 13463-67-7 | TLV®       |           | 0.2                      |            |                           |                 |                                | r, nano  | ACGIH® 2023 |
| US      | aluminium, insoluble compounds | 21645-51-2 | TLV®       |           | 1                        |            |                           |                 |                                | r        | ACGIH® 2023 |

#### Notation

|           |  |
|-----------|--|
| appx-A    | NIOSH Potential Occupational Carcinogen (Appendix A)   |
| Ceiling-C | ceiling value is a limit value above which exposure should not occur   |
| dust      | as dust  |
| fine      | fineparticle   |
| i         | inhalable fraction   |
| lowest    | exposure by all routes should be carefully controlled to levels as low as possible   |
| nano      | nanoparticle   |
| 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     | Endpoint | Threshold level         | Protection goal, route of exposure | Used in           | Exposure time              |
|----------------------------|------------|----------|-------------------------|------------------------------------|-------------------|----------------------------|
| Parachlorobenzotrifluoride | 98-56-6    | DNEL     | 0.029 mg/m <sup>3</sup> | human, inhalatory                  | worker (industry) | chronic - systemic effects |
| Parachlorobenzotrifluoride | 98-56-6    | DNEL     | 0.017 mg/kg bw/day      | human, dermal                      | worker (industry) | chronic - systemic effects |
| Parachlorobenzotrifluoride | 98-56-6    | DNEL     | 17.6 µg/cm <sup>2</sup> | human, dermal                      | worker (industry) | acute - local effects      |
| Alumina Trihydrate         | 21645-51-2 | DNEL     | 10.76 mg/m <sup>3</sup> | human, inhalatory                  | worker (industry) | chronic - systemic effects |
| Alumina Trihydrate         | 21645-51-2 | DNEL     | 10.76 mg/m <sup>3</sup> | human, inhalatory                  | worker (industry) | chronic - local effects    |
| Calcined Clay              | 92704-41-1 | DNEL     | 3 mg/m <sup>3</sup>     | human, inhalatory                  | worker (industry) | chronic - systemic effects |
| Calcined Clay              | 92704-41-1 | DNEL     | 3 mg/m <sup>3</sup>     | human, inhalatory                  | worker (industry) | acute - systemic effects   |
| Calcined Clay              | 92704-41-1 | DNEL     | 3 mg/m <sup>3</sup>     | human, inhalatory                  | worker (industry) | chronic - local effects    |
| Calcined Clay              | 92704-41-1 | DNEL     | 3 mg/m <sup>3</sup>     | human, inhalatory                  | worker (industry) | acute - local effects      |



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| Relevant PNECs of components of the mixture |            |          |                 |                       |                              |                              |
|---|------------|----------|-----------------|-----------------------|------------------------------|------------------------------|
| Name of substance                           | CAS No     | Endpoint | Threshold level | Organism              | Environmental compartment    | Exposure time                |
| Parachlorobenzotrifluoride                  | 98-56-6    | PNEC     | 2 µg/l          | aquatic organisms     | freshwater                   | short-term (single instance) |
| Parachlorobenzotrifluoride                  | 98-56-6    | PNEC     | 0.2 µg/l        | aquatic organisms     | marine water                 | short-term (single instance) |
| Parachlorobenzotrifluoride                  | 98-56-6    | PNEC     | 0.032 mg/l      | aquatic organisms     | sewage treatment plant (STP) | short-term (single instance) |
| Parachlorobenzotrifluoride                  | 98-56-6    | PNEC     | 0.022 mg/kg     | aquatic organisms     | freshwater sediment          | short-term (single instance) |
| Parachlorobenzotrifluoride                  | 98-56-6    | PNEC     | 0.002 mg/kg     | aquatic organisms     | marine sediment              | short-term (single instance) |
| Parachlorobenzotrifluoride                  | 98-56-6    | PNEC     | 0.026 mg/kg     | terrestrial organisms | soil                         | short-term (single instance) |
| Calcined Clay                               | 92704-41-1 | PNEC     | 4.1 mg/l        | aquatic organisms     | freshwater                   | short-term (single instance) |
| Calcined Clay                               | 92704-41-1 | PNEC     | 0.41 mg/l       | aquatic organisms     | marine water                 | short-term (single instance) |
| Calcined Clay                               | 92704-41-1 | PNEC     | 1,400 mg/l      | aquatic organisms     | sewage treatment plant (STP) | short-term (single instance) |

### 8.2 Exposure controls

#### Appropriate engineering controls

General ventilation.

#### Individual protection measures (personal protective equipment)

##### Eye/face protection

Wear eye/face protection.

##### Skin protection

###### - Hand protection

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

###### - Other protection measures

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

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

##### Environmental exposure controls

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



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### SECTION 9: Physical and chemical properties

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

##### Appearance

|                |                       |
|----------------|-----------------------|
| Physical state | liquid                |
| 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 | >133.8 °C at 1 atm                            |
| Flash point                             | 39 °C at 1 atm                                |
| Evaporation rate                        | not determined                                |
| Flammability (solid, gas)               | not relevant, (fluid)                         |
| Vapor pressure                          | not determined                                |
| Density                                 | not determined                                |
| Vapor density                           | this information is not available             |
| Relative density                        | information on this property is not available |
| Solubility(ies)                         | not determined                                |

##### Partition coefficient

|                             |   |
|-----------------------------|---|
| - n-octanol/water (log KOW) | this information is not available                       |
| Auto-ignition temperature   | >200 °C (auto-ignition temperature (liquids and gases)) |
| Viscosity                   | not determined  |
| Explosive properties        | none  |
| Oxidizing properties        | none  |





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### 9.2 Other information

|  |  |
|--|--|
| Solvent content                          | 85.13 %  |
| Solid content                            | 15.03 %  |
| 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". 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.



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### Acute toxicity estimate (ATE) of components of the mixture

| Name of substance  | CAS No     | Exposure route        | ATE           |
|--------------------|------------|-----------------------|---------------|
| C9-C11 Isoalkanes  | 68551-16-6 | inhalation: vapor     | >9.3 mg/l/4h  |
| Alumina Trihydrate | 21645-51-2 | inhalation: vapor     | 11 mg/l/4h    |
| Alumina Trihydrate | 21645-51-2 | inhalation: dust/mist | 3.8 mg/l/4h   |
| Calcined Clay      | 92704-41-1 | inhalation: dust/mist | >2.07 mg/l/4h |

### 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

Suspected of causing cancer.

### IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

| Name of substance          | CAS No     | Classification | Number |
|----------------------------|------------|----------------|--------|
| Titanium dioxide           | 13463-67-7 | 2B             |        |
| Parachlorobenzotrifluoride | 98-56-6    | 2B             |        |

#### Legend

2B Possibly carcinogenic to humans

### Reproductive toxicity

Shall not be classified as a reproductive toxicant.

### Specific target organ toxicity - single exposure

May cause drowsiness or dizziness.

### Specific target organ toxicity - repeated exposure

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

### Aspiration hazard

May be fatal if swallowed and enters airways.



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### SECTION 12: Ecological information

#### 12.1 Toxicity

Very toxic 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 |
|----------------------------|------------|----------|-------------|-----------------------|---------------|
| C9-C11 Isoalkanes          | 68551-16-6 | LL50     | >1,000 mg/l | fish                  | 24 h          |
| C9-C11 Isoalkanes          | 68551-16-6 | EL50     | >1,000 mg/l | aquatic invertebrates | 24 h          |
| C9-C11 Isoalkanes          | 68551-16-6 | LC50     | >0.004 mg/l | aquatic invertebrates | 96 h          |
| C9-C11 Isoalkanes          | 68551-16-6 | EC50     | >0.004 mg/l | aquatic invertebrates | 48 h          |
| Parachlorobenzotrifluoride | 98-56-6    | LC50     | 6.5 mg/l    | fish                  | 24 h          |
| Parachlorobenzotrifluoride | 98-56-6    | ErC50    | >0.41 mg/l  | algae                 | 72 h          |
| Parachlorobenzotrifluoride | 98-56-6    | EC50     | >0.41 mg/l  | algae                 | 72 h          |
| Calcined Clay              | 92704-41-1 | LC50     | >100 mg/l   | fish                  | 96 h          |
| Calcined Clay              | 92704-41-1 | EC50     | >100 mg/l   | aquatic invertebrates | 48 h          |
| Calcined Clay              | 92704-41-1 | ErC50    | 2,500 mg/l  | algae                 | 72 h          |

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

| Name of substance          | CAS No     | Endpoint | Value      | Species        | Exposure time |
|----------------------------|------------|----------|------------|----------------|---------------|
| C9-C11 Isoalkanes          | 68551-16-6 | LL50     | >100 mg/l  | fish           | 3 h           |
| Parachlorobenzotrifluoride | 98-56-6    | EC50     | 242.1 mg/l | microorganisms | 30 min        |
| Calcined Clay              | 92704-41-1 | EC50     | 2,800 mg/l | microorganisms | 16 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

According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance in a concentration of  $\geq 0,1\%$ .



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### 12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) 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

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 1993 |
| IMDG-Code | UN 1993 |
| ICAO-TI   | UN 1993 |

### 14.2 UN proper shipping name

|           |                          |
|-----------|--------------------------|
| DOT       | Flammable liquid, n.o.s. |
| IMDG-Code | FLAMMABLE LIQUID, N.O.S. |
| ICAO-TI   | Flammable liquid, n.o.s. |

### 14.3 Transport hazard class(es)

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

### 14.4 Packing group

|           |     |
|-----------|-----|
| DOT       | III |
| IMDG-Code | III |
| ICAO-TI   | III |

### 14.5 Environmental hazards

|   |                                      |
|---|--------------------------------------|
|   | hazardous to the aquatic environment |
| Environmentally hazardous substance (aquatic environment) | C9-C11 Isoalkanes                    |



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### 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 UN1993, Flammable liquid, n.o.s., 3, III, environmentally hazardous

Reportable quantity (RQ) 9,555,662 lbs (4,338,270 kg) (Toluene)

Danger label(s) 3, fish and tree



Environmental hazards YES (hazardous to the aquatic environment)

Special provisions (SP) B1, B52, IB3, T4, TP1, TP29

ERG No 128

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

Marine pollutant YES (hazardous to the aquatic environment) (C9-C11 Isoalkanes)

Danger label(s) 3, fish and tree



Special provisions (SP) 223, 274, 955

Excepted quantities (EQ) E1

Limited quantities (LQ) 5 L

EmS F-E, S-E

Stowage category A

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

Environmental hazards YES (hazardous to the aquatic environment)

Danger label(s) 3



Special provisions (SP) A3

Excepted quantities (EQ) E1

Limited quantities (LQ) 10 L



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### SECTION 15: Regulatory information

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

##### National regulations (United States)

###### Clean Air Act

none of the ingredients are listed

###### Right to Know Hazardous Substance List

- Hazardous Substance List (NJ-RTK)

| Name of substance | CAS No     | Remarks | Classifications |
|-------------------|------------|---------|-----------------|
| Titanium dioxide  | 13463-67-7 |         |                 |

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

| Proposition 65 List of chemicals  |            |  |                      |
|---|------------|--|----------------------|
| Name acc. to inventory  | CAS No     | Remarks  | Type of the toxicity |
| titanium dioxide  | 13463-67-7 | airborne, unbound particles of respirable size | cancer               |
| p-chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene (para-Chlorobenzotrifluoride, PCBTF) | 98-56-6    |  | 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              | 0      | no significant risk to health  |
| Flammability        | 2      | material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur                                       |
| Physical hazard     | 0      | material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive |
| Personal protection | -      |  |

###### NFPA® 704

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



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| Category       | Degree of hazard | Description  |
|----------------|------------------|--|
| Flammability   | 2                | material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur |
| Health         | 0                | material that, under emergency conditions, would offer no hazard beyond that of ordinary combustible material        |
| Instability    | 0                | material that is normally stable, even under fire conditions   |
| Special hazard |                  |  |

### National inventories

| Country | Inventory  | Status                         |
|---------|------------|--------------------------------|
| AU      | AIIC       | not all ingredients are listed |
| CA      | DSL        | 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  | not all ingredients are listed |
| JP      | ISHA-ENCS  | not all ingredients are listed |
| KR      | KECI       | all ingredients are listed     |
| MX      | INSQ       | not all ingredients are listed |
| NZ      | NZIoC      | all ingredients are listed     |
| PH      | PICCS      | all ingredients are listed     |
| TR      | CICR       | not all ingredients are listed |
| TW      | TCSI       | all ingredients are listed     |
| US      | TSCA       | not all ingredients are listed |

#### 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

#### 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 section 2 and 3)

| Code | Text  |
|------|---|
| H226 | Flammable liquid and vapor.                   |
| H304 | May be fatal if swallowed and enters airways. |
| H331 | Toxic if inhaled.                             |
| H332 | Harmful if inhaled.                           |
| H336 | May cause drowsiness or dizziness.            |
| H351 | Suspected of causing cancer.                  |

#### General information

PREPARED BY: Blair Rubber Research & Development Department.

WEBSITE: BlairRubber.com.

#### Disclaimer

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. While we have taken reasonable effort to ensure the information is correct, we give no warranty, expressed or implied, regarding its correctness. Since conditions or methods of handling and using this product are beyond our control, we do not assume responsibility and expressly disclaim liability for damages resulting from or connected with the handling, storage, use or disposal of the product.