



SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision date 05-Mar-2026

Revision Number 1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Safety data sheet number FG-643A

Product Name Part A:
Brush-On 40, 50
Compat 45
Econ 60
Par 1 Urethane Rubber
PMC-121 30, PMC-121 50, PMC-744, PMC-746, PMC-746 Clear Amber, PMC-780, PMC-790
ReoFlex 20, 30, 40, 50, 60
UreCoat
UreMold 30, 80
Urethane 2410
VytaFlex 10, 20, 25, 30, 40, 45, 50, 60

Other means of identification

Unique Formula Identifier (UFI) 9450-Q03A-9000-R69P

Pure substance/mixture Mixture

Contains Benzene, 1,3-diisocyanatomethyl-

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

Recommended use Polyurethane Elastomer

Uses advised against

1.3. Details of the supplier of the safety data sheet

Supplier

Smooth-On Inc, 5600 Lower Macungie Rd, Macungie, PA 18062, USA, Phone: +01.610.252.5800, www.smooth-on.com, sds@smooth-on.com

For further information, please contact

E-mail address sds@smooth-on.com

1.4. Emergency telephone number

Emergency Telephone CHEMTEL +01-813-248-0585

| Emergency Telephone - §45 - (EC)1272/2008 | |
|---|---------------|
| Europe | 112 |
| Austria | 01 406 43 43 |
| Belgium | 070 245 245 |
| Bulgaria | +359 9154 233 |

| | |
|----------------|--|
| Croatia | +385 1 2348 342 |
| Cyprus | 1401 |
| Czech Republic | 224 91 92 93 22191 54 02 |
| Denmark | +45 8212 1212 |
| Estonia | 16662 |
| Finland | Maksuton Puhelu: 0800 147 111 Normihinta: +358 9 471 977 |
| France | +33 01 45 42 59 59 |
| Germany | 112 |
| Greece | (0030) 2107793777 |
| Hungary | +36 80 201 199 |
| Iceland | +354 543 2222 |
| Ireland | 01 837 9964 01 809 2566 |
| Italy | 06 3054 343 10 Italian Poison Centres: Rome +39 06-68593726 / +30 06-49978000 / +39 06-3054343, Foggia +39 800183459, Naples +39 081-5453333, Firenze +39 055-7947819, Pavia +39 0382-24444, Milan +39 02-66101029, Bergamo +39 80088300, Verona +39 800011858 |
| Latvia | +370 (5) 2362052 |
| Liechtenstein | 01 406 43 43 |
| Lithuania | +370 5 236 20 52 +370 687 533 78 |
| Luxembourg | (+352) 8002 5500 |
| Netherlands | +31 (0) 88 755 8000 |
| Norway | 22 59 13 00 |
| Poland | +48 22 619 66 54 |
| Portugal | +351 800 250 250 |
| Romania | +40 21 599 2300 |
| Slovakia | +421 2 5477 4166 |
| Spain | +34 91 562 04 20 |
| Sweden | 112 |
| Switzerland | 145 |
| United Kingdom | 0344 892 0111 |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

| | |
|---|---------------------|
| Acute toxicity - Inhalation (Dusts/Mists) | Category 4 - (H332) |
| Respiratory sensitization | Category 1 - (H334) |
| Carcinogenicity | Category 2 - (H351) |

2.2. Label elements

Contains Benzene, 1,3-diisocyanatomethyl-



Signal word

Danger

Hazard statements

- H332 - Harmful if inhaled.
- H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H351 - Suspected of causing cancer.
- EUH208 - Contains Benzene, 1,3-diisocyanatomethyl- May produce an allergic reaction.

Precautionary Statements - EU (§28, 1272/2008)

- P261 - Avoid breathing dust, fume, gas, mist, vapors and spray.
- P271 - Use only outdoors or in a well-ventilated area.
- P280 - Wear protective gloves, protective clothing, eye protection and face protection.
- P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor.

Additional information

This product requires tactile warnings if supplied to the general public. This product requires child resistant fastenings if supplied to the general public.

2.3. Other hazards

May be harmful if swallowed. May be harmful in contact with skin.

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

NonHazardous

| Chemical name | Weight-% | REACH registration number | EC No. (Index No.) | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Specific concentration limit (SCL) | M-Factor | M-Factor (long-term) | Notes |
|--|----------|---------------------------|-----------------------------|---|------------------------------------|----------|----------------------|-------|
| Benzene, 1,3-diisocyanatomethyl- 26471-62-5 | 0.1-1 | 01-21194547 91-34-0032 | 247-722-4 (615-006-00-4) | Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Eye Irrit. 2 (H319) Acute Tox. 2 (H330) Resp. Sens. 1 (H334) STOT SE 3 (H335) Carc. 2 (H351) Aquatic Chronic 3 (H412) | Resp. Sens. 1 :: C>=0.1% | - | - | C |

CLP Notes:

Note C - Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

| Chemical name | Oral LD50 mg/kg | Dermal LD50 mg/kg | Inhalation LC50 - 4 hour - dust/mist - mg/L | Inhalation LC50 - 4 hour - vapor - mg/L | Inhalation LC50 - 4 hour - gas - ppm |
|--|-----------------|-------------------|---|---|--------------------------------------|
| Benzene, 1,3-diisocyanatomethyl-26471-62-5 | 3060 | 10000 | 0.099 | No data available | No data available |

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59).

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---|---|
| General advice | Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get medical advice/attention. |
| Inhalation | May cause allergic respiratory reaction. If breathing has stopped, give artificial respiration. Get medical attention immediately. Remove to fresh air. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. |
| Eye contact | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| Skin contact | Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician. |
| Ingestion | May produce an allergic reaction. Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Get immediate medical attention. |
| Self-protection of the first aider | Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid contact with skin, eyes or clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Use personal protective equipment as required. See section 8 for more information. Avoid breathing vapors or mists. |

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

| | |
|----------------------------|--|
| Symptoms | May cause allergy or asthma symptoms or breathing difficulties if inhaled. Coughing and/ or wheezing. Itching. Rashes. Hives. Difficulty in breathing. |
| Effects of Exposure | Suspected of causing cancer. |

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

| | |
|---------------------------|--|
| Note to physicians | May cause sensitization in susceptible persons. Treat symptomatically. |
|---------------------------|--|

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical Product is or contains a sensitizer. May cause sensitization by inhalation.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1- Recommendations for those who intervene directly

No information available.

6.1.2.- Recommendations for those who do not intervene directly

No information available.

Personal precautions Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Avoid breathing vapors or mists.

Other information Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Prevent further leakage or spillage if safe to do so.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling**Advice on safe handling**

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Avoid breathing vapors or mists. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product.

General hygiene considerations

Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and immediately after handling the product.

7.2. Conditions for safe storage, including any incompatibilities**Storage Conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

Storage class (TRGS 510)

Storage class 10.

7.3. Specific end use(s)

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure Limits**

| Chemical name | European Union | Austria | Belgium | Bulgaria | Croatia |
|---|--|---|--|---|--|
| Benzene, 1,3-diisocyanatomethyl- 26471-62-5 | TWA: 6 µg/m ³ ; TWA: 10 µg/m ³ ; | TWA-TMW: 0.005 ppm; TWA-TMW: 0.035 mg/m ³ ; STEL-KZGW: 0.02 ppm (4 X 15 min); STEL-KZGW: 0.14 mg/m ³ (4 X 15 min); DS RS | TWA: 0.005 ppm; TWA: 0.037 mg/m ³ ; STEL: 0.02 ppm; STEL: 0.14 mg/m ³ ; | TWA: 0.04 mg/m ³ ; STEL: 0.15 mg/m ³ ; | TWA-GVI: 0.02 mg/m ³ ; STEL-KGVI: 0.07 mg/m ³ ; |
| Chemical name | Cyprus | Czech Republic | Denmark | Estonia | Finland |
| Benzene, 1,3-diisocyanatomethyl- 26471-62-5 | - | - | - | TWA: 0.005 ppm; STEL: 0.01 ppm; S | STEL: 0.035 mg/m ³ ; |
| Chemical name | France | Germany TRGS | Germany DFG | Greece | Hungary |
| Benzene, 1,3-diisocyanatomethyl- 26471-62-5 | TWA-VME: 0.01 ppm; TWA-VME: 0.08 mg/m ³ ; STEL-VLCT: 0.02 ppm; STEL-VLCT: 0.16 mg/m ³ ; RS | - | TWA-MAK: 0.001 mg/m ³ ; I(1); TWA-MAK: 0.007 mg/m ³ ; I(1); Peak: 0.001 mg/m ³ ; Peak: 0.007 mg/m ³ ; DS RS | - | - |
| Chemical name | Ireland | Italy MDLPS | Italy AIDII | Latvia | Lithuania |
| Benzene, 1,3-diisocyanatomethyl- | TWA: 0.02 mg/m ³ ; STEL: 0.07 | - | TWA: 0.001 ppm; STEL (REL): 0.005 | - | TWA-IPRD: 0.005 ppm; dust, aerosols |

| | | | | | |
|--|--|---------|---|--|---|
| 26471-62-5 | mg/m ³ (all, except Methyl isocyanate and 2,4-Toluene diisocyanate or 2,6-Toluene diisocyanate); | | ppm; DS | | TWA-IPRD: 0.04 mg/m ³ ; dust, aerosols Ceiling (NRD): 0.01 ppm; dust, aerosols Ceiling (NRD): 0.07 mg/m ³ ; dust, aerosols S |
| Chemical name | Luxembourg | Malta | Netherlands | Norway | Poland |
| Benzene, 1,3-diisocyanatomethyl-26471-62-5 | - | - | - | TWA: 0.005 ppm; STEL: 0.01 ppm (value from the regulation); As | TWA-NDS: 0.007 mg/m ³ ; STEL-NDSCh: 0.021 mg/m ³ ; |
| Chemical name | Portugal | Romania | Slovakia | Slovenia | Spain |
| Benzene, 1,3-diisocyanatomethyl-26471-62-5 | TWA (VLE-MP): 0.005 ppm; STEL (VLE-CD): 0.02 ppm; | - | - | TWA: 0.035 mg/m ³ ; TWA: 0.005 ppm; STEL: 0.005 ppm; STEL: 0.035 mg/m ³ ; | - |
| Chemical name | Sweden | | Switzerland | United Kingdom | |
| Benzene, 1,3-diisocyanatomethyl-26471-62-5 | TLV-NGV: 0.002 ppm; TLV-NGV: 0.014 mg/m ³ ; STEL (Bindande KGV): 0.005 ppm; STEL (Bindande KGV): 0.04 mg/m ³ ; S | | TWA-MAK: 0.02 mg/m ³ ; STEL-KZGW: 0.02 mg/m ³ ; S | TWA: 0.02 mg/m ³ ; STEL: 0.07 mg/m ³ ; poS | |

Biological occupational exposure limits

| | | | | | |
|--|----------------|---|-------------|---|----------------|
| Chemical name | European Union | Austria | Bulgaria | Croatia | Czech Republic |
| Benzene, 1,3-diisocyanatomethyl-26471-62-5 | - | 10 µg/g Creatinine - urine (4,4'-Diaminodiphenylmethane) - after end of work day, at the end of a work week/end of the shift | - | - | - |
| Chemical name | Denmark | Finland | France | Germany DFG | Germany TRGS |
| Benzene, 1,3-diisocyanatomethyl-26471-62-5 | - | - | - | 5 µg/g Creatinine - BAT (end of exposure or end of shift) urine | - |
| Chemical name | Hungary | Ireland | Italy MDLPS | Italy AIDII | |
| Benzene, 1,3-diisocyanatomethyl-26471-62-5 | - | 1 µmol/mol Creatinine (urine - urinary Diamine post task) | - | 5 µg/g Creatinine - urine (Toluenediamine isomers with hydrolysis) - end of shift | |

Derived No Effect Level (DNEL) - Workers No information available

Derived No Effect Level (DNEL) - General Public No information available.

Predicted No Effect Concentration (PNEC)

| Chemical name | Freshwater | Freshwater (intermittent release) | Marine water | Marine water (intermittent release) | Air |
|--|-------------|-----------------------------------|--------------|-------------------------------------|-----|
| Benzene, 1,3-diisocyanatomethyl-26471-62-5 | 0.0125 mg/L | 0.125 mg/L | 0.00125 mg/L | - | - |

| Chemical name | Freshwater sediment | Marine sediment | Sewage treatment | Soil | Food chain |
|--|---------------------|-----------------|------------------|-----------------|------------|
| Benzene, 1,3-diisocyanatomethyl-26471-62-5 | - | - | 1 mg/L | 1 mg/kg soil dw | - |

8.2. Exposure controls

| | |
|--|--|
| Engineering controls | No information available. |
| Personal protective equipment | |
| Eye/face protection | Wear safety glasses with side shields (or goggles). |
| Hand protection | Wear suitable gloves. |
| Skin and body protection | Wear suitable protective clothing. |
| Respiratory protection | Use appropriate respiratory protection. |
| General hygiene considerations | Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and immediately after handling the product. |
| Environmental exposure controls | No information available. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------------|-----------------------------|
| Physical state | Liquid |
| Appearance | Clear yellow viscous liquid |
| Color | Clear yellow |
| Odor | Sharp Pungent. |
| Odor threshold | No information available |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|--|-------------------|-------------------------|
| Melting point / freezing point | No data available | None known |
| Initial boiling point and boiling range | No data available | None known |
| Flammability | No data available | None known |
| Flammability Limit in Air | | None known |
| Upper flammability or explosive limits | No data available | |
| Lower flammability or explosive limits | No data available | |

| | | |
|----------------------------|---------------------------|------------|
| Flash point | > 132.22 °C | None known |
| Autoignition temperature | No data available | None known |
| Decomposition temperature | | None known |
| pH | No data available | None known |
| pH (as aqueous solution) | No data available | None known |
| Kinematic viscosity | No data available | None known |
| Dynamic viscosity | 3,000 - 30,000 Centipoise | None known |
| Water solubility | No data available | None known |
| Solubility(ies) | No data available | None known |
| Partition coefficient | No data available | None known |
| Vapor pressure | No data available | None known |
| Relative density | 1.04 | None known |
| Bulk density | No data available | |
| Liquid Density | No data available | |
| Relative vapor density | >1 | None known |
| Particle characteristics | | |
| Particle Size | No information available | |
| Particle Size Distribution | No information available | |

9.2. Other information 0%

9.2.1. Information with regard to physical hazard classes

Not applicable

9.2.2. Other safety characteristics

No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Excessive heat.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**Information on likely routes of exposure****Product Information**

| | |
|---------------------|---|
| Inhalation | Specific test data for the substance or mixture is not available. May cause sensitization in susceptible persons. (based on components). Harmful by inhalation. |
| Eye contact | Specific test data for the substance or mixture is not available. |
| Skin contact | Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). May be harmful in contact with skin. |
| Ingestion | Specific test data for the substance or mixture is not available. May cause additional effects as listed under "Inhalation". |

Symptoms related to the physical, chemical and toxicological characteristics

| | |
|-----------------|--|
| Symptoms | Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing. Coughing and/ or wheezing. |
|-----------------|--|

Acute toxicity Harmful by inhalation.

Numerical measures of toxicity**The following ATE values have been calculated for the mixture**

| | |
|------------------------|-------------|
| ATEmix (oral) | >2000 mg/kg |
| ATEmix (dermal) | >2000 mg/kg |

Component Information

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|----------------------------------|----------------------|--------------------------|--------------------------|
| Benzene, 1,3-diisocyanatomethyl- | = 3060 mg/kg (Rat) | = 10000 mg/kg (Rabbit) | = 0.099 mg/L (Rat) 4 h |

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|--|--|
| Skin corrosion/irritation | No information available. |
| Serious eye damage/eye irritation | No information available. |
| Respiratory or skin sensitization | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| Germ cell mutagenicity | No information available. |
| Carcinogenicity | Contains a known or suspected carcinogen. Classification based on data available for ingredients. Suspected of causing cancer. |

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical name | European Union |
|---------------|----------------|
|---------------|----------------|

| | |
|----------------------------------|---------|
| Benzene, 1,3-diisocyanatomethyl- | Carc. 2 |
|----------------------------------|---------|

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties No information available.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity The environmental impact of this product has not been fully investigated.

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation

Component Information

| Chemical name | Partition coefficient |
|----------------------------------|-----------------------|
| Benzene, 1,3-diisocyanatomethyl- | 3.43 |

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB above the threshold of declaration.

| Chemical name | PBT and vPvB assessment |
|----------------------------------|-------------------------|
| Benzene, 1,3-diisocyanatomethyl- | Not PBT/vPvB |

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

| | |
|--|---|
| Waste from residues/unused products | Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation. |
| Contaminated packaging | Do not reuse empty containers. |

SECTION 14: Transport information**IATA**

| | |
|--|----------------|
| 14.1 UN number or ID number | Not regulated |
| 14.2 UN proper shipping name | Not regulated |
| 14.3 Transport hazard class(es) | Not regulated |
| 14.4 Packing group | Not regulated |
| 14.5 Environmental hazards | Not applicable |
| 14.6 Special precautions for user | |
| Special Provisions | None |

IMDG

| | |
|---|--------------------------|
| 14.1 UN number or ID number | Not regulated |
| 14.2 UN proper shipping name | Not regulated |
| 14.3 Transport hazard class(es) | Not regulated |
| 14.4 Packing group | Not regulated |
| 14.5 Environmental hazards | Not applicable |
| 14.6 Special precautions for user | |
| Special Provisions | None |
| 14.7 Maritime transport in bulk according to IMO instruments | No information available |

RID

| | |
|--|----------------|
| 14.1 UN number or ID number | Not regulated |
| 14.2 UN proper shipping name | Not regulated |
| 14.3 Transport hazard class(es) | Not regulated |
| 14.4 Packing group | Not regulated |
| 14.5 Environmental hazards | Not applicable |
| 14.6 Special precautions for user | |
| Special Provisions | None |

ADR

| | |
|--|----------------|
| 14.1 UN number or ID number | Not regulated |
| 14.2 UN proper shipping name | Not regulated |
| 14.3 Transport hazard class(es) | Not regulated |
| 14.4 Packing group | Not regulated |
| 14.5 Environmental hazards | Not applicable |
| 14.6 Special precautions for user | |
| Special Provisions | None |

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

National regulations**France****Occupational Illnesses (R-463-3, France)**

| Chemical name | French RG number |
|---|------------------|
| Benzene, 1,3-diisocyanatomethyl- - 26471-62-5 | RG 62 |

Germany

Water hazard class (WGK) slightly hazardous to water (WGK 1)

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorizations and/or restrictions on use:

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

| Chemical name | Restricted substance per REACH Annex XVII | Substance subject to authorization per REACH Annex XIV |
|---|---|--|
| Benzene, 1,3-diisocyanatomethyl- - 26471-62-5 | 75 | - |

Persistent Organic Pollutants

Not applicable

Ozone-depleting substances (ODS) Regulation (EU) 2024/590

Not applicable

International Inventories

| | |
|----------------------|--|
| TSCA | Contact supplier for inventory compliance status |
| DSL/NDSL | Contact supplier for inventory compliance status |
| EINECS/ELINCS | Contact supplier for inventory compliance status |
| ENCS | Contact supplier for inventory compliance status |
| IECSC | Contact supplier for inventory compliance status |
| KECL | Contact supplier for inventory compliance status |
| PICCS | Contact supplier for inventory compliance status |
| AIIC | Contact supplier for inventory compliance status |
| NZIoC | Contact supplier for inventory compliance status |

Legend:

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing Chemicals Inventory
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AIIC - Australian Inventory of Industrial Chemicals
NZIoC - New Zealand Inventory of Chemicals

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of any hazard and/or precautionary statements referred to under Sections 2-15

- H315 - Causes skin irritation
- H317 - May cause an allergic skin reaction
- H319 - Causes serious eye irritation
- H330 - Fatal if inhaled
- H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
- H335 - May cause respiratory irritation
- H351 - Suspected of causing cancer
- H412 - Harmful to aquatic life with long lasting effects

Legend

- SVHC: Substances of Very High Concern for Authorization:
- PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances
- vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances
- STOT: Specific Target Organ Toxicity
- ATE: Acute Toxicity Estimate
- LC50: 50% Lethal Concentration
- LD50: 50% Lethal Dose

Legend Section 8: Exposure controls/personal protection

- TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)
- Ceiling Maximum limit value Sk* Skin designation
- + Sensitizers

| Classification procedure | |
|---|--------------------|
| Classification according to Regulation (EC) No. 1272/2008 [CLP] | Method Used |
| Acute oral toxicity | Calculation method |
| Acute dermal toxicity | Calculation method |
| Acute inhalation toxicity - gas | Calculation method |
| Acute inhalation toxicity - vapor | Calculation method |
| Acute inhalation toxicity - dust/mist | Calculation method |
| Skin corrosion/irritation | Calculation method |
| Serious eye damage/eye irritation | Calculation method |
| Respiratory sensitization | Calculation method |
| Skin sensitization | Calculation method |
| Mutagenicity | Calculation method |
| Carcinogenicity | Calculation method |
| Reproductive toxicity | Calculation method |
| STOT - single exposure | Calculation method |
| STOT - repeated exposure | Calculation method |
| Chronic aquatic toxicity | Calculation method |
| Acute aquatic toxicity | Calculation method |
| Aspiration hazard | Calculation method |
| Ozone | Calculation method |

Key literature references and sources for data used to compile the SDS

- U.S. Agency for Toxic Substances and Disease Registry (ATSDR)
- U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
European Chemicals Agency (ECHA) (ECHA_API)
U.S. Environmental Protection Agency
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan National Institute of Technology and Evaluation (NITE)
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications
International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program
International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set
United Nations World Health Organization (WHO)

Revision date 05-Mar-2026

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet



SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision date 10-Mar-2026

Revision Number 1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Safety data sheet number FG-618B

Product Name Part B: VytaFlex 60

Other means of identification

Unique Formula Identifier (UFI) G560-S0D2-X00X-PDU4

Pure substance/mixture Mixture

Contains 1,3-Benzenediamine, 4-methyl-2,6-bis(methylthio)-; 1,3-Benzenediamine, 2-methyl-4,6-bis(methylthio)-

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

Recommended use Polyurethane Elastomer

Uses advised against

1.3. Details of the supplier of the safety data sheet

Supplier

Smooth-On Inc, 5600 Lower Macungie Rd, Macungie, PA 18062, USA, Phone: +01.610.252.5800, www.smooth-on.com, sds@smooth-on.com

For further information, please contact

E-mail address sds@smooth-on.com

1.4. Emergency telephone number

Emergency Telephone CHEMTEL +01-813-248-0585

| Emergency Telephone - §45 - (EC)1272/2008 | |
|---|---|
| Europe | 112 |
| Austria | 01 406 43 43 |
| Belgium | 070 245 245 |
| Bulgaria | +359 9154 233 |
| Croatia | +385 1 2348 342 |
| Cyprus | 1401 |
| Czech Republic | 224 91 92 93 22191 54 02 |
| Denmark | +45 8212 1212 |
| Estonia | 16662 |
| Finland | Maksuton Puhelu: 0800 147 111 Normihinta: +358 9 471 977 |
| France | +33 01 45 42 59 59 |
| Germany | 112 |

| | |
|----------------|--|
| Greece | (0030) 2107793777 |
| Hungary | +36 80 201 199 |
| Iceland | +354 543 2222 |
| Ireland | 01 837 9964 01 809 2566 |
| Italy | 06 3054 343 10 Italian Poison Centres: Rome +39 06-68593726 / +30 06-49978000 / +39 06-3054343, Foggia +39 800183459, Naples +39 081-5453333, Firenze +39 055-7947819, Pavia +39 0382-24444, Milan +39 02-66101029, Bergamo +39 80088300, Verona +39 800011858 |
| Latvia | +370 (5) 2362052 |
| Liechtenstein | 01 406 43 43 |
| Lithuania | +370 5 236 20 52 +370 687 533 78 |
| Luxembourg | (+352) 8002 5500 |
| Netherlands | +31 (0) 88 755 8000 |
| Norway | 22 59 13 00 |
| Poland | +48 22 619 66 54 |
| Portugal | +351 800 250 250 |
| Romania | +40 21 599 2300 |
| Slovakia | +421 2 5477 4166 |
| Spain | +34 91 562 04 20 |
| Sweden | 112 |
| Switzerland | 145 |
| United Kingdom | 0344 892 0111 |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

| | |
|--|---------------------|
| Skin sensitization | Category 1 - (H317) |
| Hazardous to the aquatic environment - chronic | Category 3 - (H412) |

2.2. Label elements

Contains 1,3-Benzenediamine, 4-methyl-2,6-bis(methylthio)-; 1,3-Benzenediamine, 2-methyl-4,6-bis(methylthio)-



Signal word

Warning

Hazard statements

H317 - May cause an allergic skin reaction.

H412 - Harmful to aquatic life with long lasting effects.

Precautionary Statements - EU (§28, 1272/2008)

P261 - Avoid breathing dust, fume, gas, mist, vapors and spray.

P280 - Wear protective gloves.

P321 - Specific treatment (see supplemental first aid instructions on this label).

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.

P362 + P364 - Take off contaminated clothing and wash it before reuse.

P501 - Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable.

Additional information

This product requires tactile warnings if supplied to the general public. Restricted to professional users.

2.3. Other hazards

Harmful to aquatic life.

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

NonHazardous

| Chemical name | Weight-% | REACH registration number | EC No. (Index No.) | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Specific concentration limit (SCL) | M-Factor | M-Factor (long-term) | Notes |
|--|----------|---------------------------|--------------------------|---|------------------------------------|----------|----------------------|--------|
| 1,3-Benzenediamine, 4-methyl-2,6-bis(methylthio)-102093-68-5 | 5-10 | No data available | - | No data available | - | - | - | - |
| 1,3-Benzenediamine, 2-methyl-4,6-bis(methylthio)-104983-85-9 | 1-5 | No data available | - | No data available | - | - | - | - |
| 2-Ethylhexanoic acid 149-57-5 | 0.1-1 | No Data Available | 205-743-6 (607-230-00-6) | Repr. 1B (H360D) | - | - | - | A,X,12 |
| Stannane, dimethylbis[(1-oxoodecyl)oxy]-68928-76-7 | 0.1-1 | No data available | 273-028-6 | No data available | - | - | - | - |

CLP Notes:

Note A - Without prejudice to Article 17(2) of Regulation (EC) No 1272/2008, the name of the substance must appear on the label in the form of one of the designations given in Part 3 of Annex VI to that Regulation. In that Part, use is sometimes made of a general description such as "... compounds" or "... salts". In this case, the supplier who places such a substance on the market is required to state on the label the correct name, due account being taken of Section 1.1.1.4 of Annex VI to Regulation (EC) No 1272/2008.

Note X - The classification for the hazard class(es) in this entry is based only on the hazardous properties of the part of the substance which is common to all substances in the entry. The hazardous properties of any substances in the entry also depend on the properties of the part of the substance which is not common to all substances in the group. The latter must be evaluated to assess whether more severe classification(s) (i.e. a higher category) or a broader scope of the same classification (additional differentiation, target organs and/or hazard statements) might apply for the hazard class(es) in the entry.

Note 12 - The classification of mixtures as reproductive toxicant is necessary if the sum of the concentrations of individual substances covered by this entry in the mixture as placed on the market is equal to, or above, the applicable generic concentration limit for the assigned category, or a specific concentration limit given in this entry.

Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

| Chemical name | Oral LD50 mg/kg | Dermal LD50 mg/kg | Inhalation LC50 - 4 hour - dust/mist - mg/L | Inhalation LC50 - 4 hour - vapor - mg/L | Inhalation LC50 - 4 hour - gas - ppm |
|----------------------------------|-----------------|-------------------|---|---|--------------------------------------|
| 2-Ethylhexanoic acid 149-57-5 | 1600 | 1140 | No data available | No data available | No data available |

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59).

SECTION 4: First aid measures**4.1. Description of first aid measures**

| | |
|-----------------------|--|
| General advice | Show this safety data sheet to the doctor in attendance. |
| Inhalation | Remove to fresh air. |
| Eye contact | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| Skin contact | Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician. |
| Ingestion | Rinse mouth. |

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

| | |
|----------------------------|---------------------------|
| Symptoms | Itching. Rashes. Hives. |
| Effects of Exposure | No information available. |

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

| | |
|---------------------------|--|
| Note to physicians | May cause sensitization in susceptible persons. Treat symptomatically. |
|---------------------------|--|

SECTION 5: Firefighting measures**5.1. Extinguishing media**

| | |
|---------------------------------------|---|
| Suitable Extinguishing Media | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Large Fire | CAUTION: Use of water spray when fighting fire may be inefficient. |
| Unsuitable extinguishing media | Do not scatter spilled material with high pressure water streams. |

5.2. Special hazards arising from the substance or mixture

| | |
|--|---|
| Specific hazards arising from the | Product is or contains a sensitizer. May cause sensitization by skin contact. |
|--|---|

chemical

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1- Recommendations for those who intervene directly

No information available.

6.1.2.- Recommendations for those who do not intervene directly

No information available.

Personal precautions Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Storage class (TRGS 510) Storage class 10.

7.3. Specific end use(s)

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure Limits**

| Chemical name | European Union | Austria | Belgium | Bulgaria | Croatia |
|---|--|--|--|--|--|
| 2-Ethylhexanoic acid 149-57-5 | - | - | TWA: 5 mg/m ³ ; aerosol and vapor | - | - |
| Stannane, dimethylbis[(1-oxoneodecy l)oxy]- 68928-76-7 | - | TWA-TMW: 0.1 mg/m ³ ; inhalable fraction STEL-KZGW: 0.2 mg/m ³ (4 X 15 min); inhalable fraction Sk | TWA: 0.1 mg/m ³ ; STEL: 0.2 mg/m ³ ; Sd | TWA: 0.1 mg/m ³ ; | TWA-GVI: 0.1 mg/m ³ ; STEL-KGVI: 0.2 mg/m ³ ; |
| Chemical name | Cyprus | Czech Republic | Denmark | Estonia | Finland |
| Stannane, dimethylbis[(1-oxoneodecy l)oxy]- 68928-76-7 | - | TWA: 0.1 mg/m ³ ; Ceiling: 0.2 mg/m ³ ; pSk | TWA: 0.1 mg/m ³ ; STEL: 0.2 mg/m ³ ; pSk | TWA: 0.1 mg/m ³ ; STEL: 0.2 mg/m ³ ; Sk | TWA: 0.1 mg/m ³ ; STEL: 0.3 mg/m ³ ; pSk |
| Chemical name | France | Germany TRGS | Germany DFG | Greece | Hungary |
| Stannane, dimethylbis[(1-oxoneodecy l)oxy]- 68928-76-7 | TWA-VME: 0.1 mg/m ³ ; STEL-VLCT: 0.2 mg/m ³ ; | TWA-AGW; 0.0018 ppm (expos ure factor 1); TWA-AGW; 0.009 mg/m ³ (expos ure factor 1); | TWA-MAK: 0.004 ppm; I(1); TWA-MAK: 0.02 mg/m ³ ; I(1); Peak: 0.004 ppm; Peak: 0.02 mg/m ³ ; | TWA: 0.1 mg/m ³ ; STEL: 0.2 mg/m ³ ; pSk | TWA-AK: 0.02 mg/m ³ ; pSk |
| Chemical name | Ireland | Italy MDLPS | Italy AIDII | Latvia | Lithuania |
| 2-Ethylhexanoic acid 149-57-5 | TWA: 4 mg/m ³ ; STEL: 12 mg/m ³ (calculated); | - | TWA: 5 mg/m ³ ; inhalable fraction and aerosol and vapor | - | - |
| Stannane, dimethylbis[(1-oxoneodecy l)oxy]- 68928-76-7 | TWA: 0.1 mg/m ³ ; STEL: 0.2 mg/m ³ ; | - | TWA: 0.1 mg/m ³ ; STEL (REL): 0.2 mg/m ³ ; pSk | - | TWA-IPRD: 0.1 mg/m ³ ; STEL-TPRD: 0.2 mg/m ³ ; Sk |
| Chemical name | Luxembourg | Malta | Netherlands | Norway | Poland |
| Stannane, dimethylbis[(1-oxoneodecy l)oxy]- 68928-76-7 | - | - | - | TWA: 0.1 mg/m ³ ; STEL: 0.2 mg/m ³ (value from the regulation); Sk | - |
| Chemical name | Portugal | Romania | Slovakia | Slovenia | Spain |
| 2-Ethylhexanoic acid 149-57-5 | TWA (VLE-MP): 5 mg/m ³ ; inhalable fraction; vapor | - | - | - | TWA-(VLA-ED): 5 mg/m ³ ; inhalable fraction and vapor |
| Stannane, dimethylbis[(1-oxoneodecy l)oxy]- 68928-76-7 | TWA (VLE-MP): 0.1 mg/m ³ ; STEL (VLE-CD): 0.2 mg/m ³ ; pSk | TWA: 0.05 mg/m ³ ; STEL: 0.15 mg/m ³ ; | TWA: 0.1 mg/m ³ ; Ceiling: 0.2 mg/m ³ ; pSk | TWA: 0.009 mg/m ³ ; TWA: 0.0018 ppm; STEL: 0.0018 ppm; STEL: 0.009 mg/m ³ ; | TWA-(VLA-ED): 0.1 mg/m ³ ; STEL (VLA-EC): 0.2 mg/m ³ ; pSk |

| Chemical name | Sweden | Switzerland | United Kingdom |
|---|--|--|--|
| Stannane, dimethylbis[(1-oxoneodecyl)oxy]- 68928-76-7 | TLV-NGV: 0.1 mg/m ³ ; total dust STEL (Vägledande KGV): 0.2 mg/m ³ ; total dust Sk | TWA-MAK: 0.1 mg/m ³ ; aerosol, inhalable dust, vapour STEL-KZGW: 0.2 mg/m ³ ; aerosol, inhalable dust, vapour Sk | TWA: 0.1 mg/m ³ ; STEL: 0.2 mg/m ³ ; pSk |

Biological occupational exposure limits This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) - Workers

| Chemical name | Oral | Dermal | Inhalation |
|----------------------------------|------|------------------------|------------------------------|
| 2-Ethylhexanoic acid 149-57-5 | - | 2 mg/kg bw/day [4] [6] | 14 mg/m ³ [4] [6] |

Notes

[4] Systemic health effects.
[6] Long term.

Derived No Effect Level (DNEL) - General Public

| Chemical name | Oral | Dermal | Inhalation |
|----------------------------------|------------------------|--------|-------------------------------|
| 2-Ethylhexanoic acid 149-57-5 | 1 mg/kg bw/day [4] [6] | - | 3.5 mg/m ³ [4] [6] |

Notes

[4] Systemic health effects.
[6] Long term.

Predicted No Effect Concentration (PNEC)

| Chemical name | Freshwater sediment | Marine sediment | Sewage treatment | Soil | Food chain |
|----------------------------------|---------------------|-----------------|------------------|------|------------|
| 2-Ethylhexanoic acid 149-57-5 | - | - | 72 mg/L | - | - |

8.2. Exposure controls

Engineering controls No information available.

Personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Hand protection Wear suitable gloves.

Skin and body protection Wear suitable protective clothing.

Respiratory protection Use appropriate respiratory protection.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------------|--------------------------|
| Physical state | Liquid |
| Appearance | Clear to Amber Liquid |
| Color | clear to amber |
| Odor | Mild. |
| Odor threshold | No information available |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|--|--------------------------|-------------------------|
| Melting point / freezing point | No data available | None known |
| Initial boiling point and boiling range | No data available | None known |
| Flammability | No data available | None known |
| Flammability Limit in Air | | None known |
| Upper flammability or explosive limits | No data available | |
| Lower flammability or explosive limits | No data available | |
| Flash point | > 148.8889 °C | None known |
| Autoignition temperature | No data available | None known |
| Decomposition temperature | | None known |
| pH | No data available | None known |
| pH (as aqueous solution) | No data available | None known |
| Kinematic viscosity | No data available | None known |
| Dynamic viscosity | No data available | None known |
| Water solubility | Insoluble in water | None known |
| Solubility(ies) | No data available | None known |
| Partition coefficient | No data available | None known |
| Vapor pressure | No data available | None known |
| Relative density | 1.15 | None known |
| Bulk density | No data available | |
| Liquid Density | No data available | |
| Relative vapor density | >1 | None known |
| Particle characteristics | | |
| Particle Size | No information available | |
| Particle Size Distribution | No information available | |

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Not applicable

9.2.2. Other safety characteristics

No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available.

Eye contact Specific test data for the substance or mixture is not available.

Skin contact May cause sensitization by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components).

Ingestion Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Itching. Rashes. Hives.

Acute toxicity

Numerical measures of toxicity

Component Information

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|----------------------|----------------------|-------------------------|-----------------|
| 2-Ethylhexanoic acid | = 1600 mg/kg (Rat) | = 1140 mg/kg (Rabbit) | - |

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation No information available.

| | |
|--|--------------------------------------|
| Serious eye damage/eye irritation | No information available. |
| Respiratory or skin sensitization | May cause an allergic skin reaction. |
| Germ cell mutagenicity | No information available. |
| Carcinogenicity | No information available. |
| Reproductive toxicity | No information available. |

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins.

| Chemical name | European Union |
|----------------------|----------------|
| 2-Ethylhexanoic acid | Repr. 1B |

| | |
|---------------------------------|---------------------------|
| STOT - single exposure | No information available. |
| STOT - repeated exposure | No information available. |
| Aspiration hazard | No information available. |

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties No information available.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Harmful to aquatic life with long lasting effects.

| Chemical name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|----------------------|--|--|----------------------------|--|
| 2-Ethylhexanoic acid | EC50: =61mg/L (72h, <i>Desmodesmus subspicatus</i>) EC50: =41mg/L (96h, <i>Desmodesmus subspicatus</i>) | LC50: =70mg/L (96h, <i>Pimephales promelas</i>) | - | EC50: =85.4mg/L (48h, <i>Daphnia magna</i>) |

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation

Component Information

| Chemical name | Partition coefficient |
|----------------------|-----------------------|
| 2-Ethylhexanoic acid | 2.7 |

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB above the threshold of declaration.

| Chemical name | PBT and vPvB assessment |
|----------------------|-------------------------|
| 2-Ethylhexanoic acid | Not PBT/vPvB |

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

SECTION 14: Transport information

IATA

- 14.1 UN number or ID number Not regulated
- 14.2 UN proper shipping name Not regulated
- 14.3 Transport hazard class(es) Not regulated
- 14.4 Packing group Not regulated
- 14.5 Environmental hazards Not applicable
- 14.6 Special precautions for user
Special Provisions None

IMDG

- 14.1 UN number or ID number Not regulated
- 14.2 UN proper shipping name Not regulated
- 14.3 Transport hazard class(es) Not regulated
- 14.4 Packing group Not regulated
- 14.5 Environmental hazards Not applicable
- 14.6 Special precautions for user
Special Provisions None
- 14.7 Maritime transport in bulk No information available

according to IMO instruments

RID

| | |
|-----------------------------------|----------------|
| 14.1 UN number or ID number | Not regulated |
| 14.2 UN proper shipping name | Not regulated |
| 14.3 Transport hazard class(es) | Not regulated |
| 14.4 Packing group | Not regulated |
| 14.5 Environmental hazards | Not applicable |
| 14.6 Special precautions for user | |
| Special Provisions | None |

ADR

| | |
|-----------------------------------|----------------|
| 14.1 UN number or ID number | Not regulated |
| 14.2 UN proper shipping name | Not regulated |
| 14.3 Transport hazard class(es) | Not regulated |
| 14.4 Packing group | Not regulated |
| 14.5 Environmental hazards | Not applicable |
| 14.6 Special precautions for user | |
| Special Provisions | None |

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

Germany

Water hazard class (WGK) slightly hazardous to water (WGK 1)
TA Luft (German Air Pollution Control Regulation)

| Chemical name | Number | Class |
|----------------------|--------|---------|
| 2-Ethylhexanoic acid | 5.2.5 | Class I |

Netherlands

Carcinogenic, mutagenic and reproductive toxic effects

| Chemical name | Netherlands - List of Carcinogens | Netherlands - List of Mutagens | Netherlands - List of Reproductive Toxins |
|----------------------|-----------------------------------|--------------------------------|---|
| 2-Ethylhexanoic acid | - | - | Development Category 1B; except substances specifically listed in Annex VI of CLP |

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorizations and/or restrictions on use:

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

| Chemical name | Restricted substance per REACH Annex XVII | Substance subject to authorization per REACH Annex XIV |
|---------------|---|--|
| | | |

| | | |
|---------------------------------|----------|---|
| 2-Ethylhexanoic acid - 149-57-5 | 75 30 | - |
|---------------------------------|----------|---|

Persistent Organic Pollutants

Not applicable

Ozone-depleting substances (ODS) Regulation (EU) 2024/590

Not applicable

International Inventories

| | |
|----------------------|--|
| TSCA | Contact supplier for inventory compliance status |
| DSL/NDSL | Contact supplier for inventory compliance status |
| EINECS/ELINCS | Contact supplier for inventory compliance status |
| ENCS | Contact supplier for inventory compliance status |
| IECSC | Contact supplier for inventory compliance status |
| KECL | Contact supplier for inventory compliance status |
| PICCS | Contact supplier for inventory compliance status |
| AIIC | Contact supplier for inventory compliance status |
| NZIoC | Contact supplier for inventory compliance status |

Legend:

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- IECSC** - China Inventory of Existing Chemical Substances
- KECL** - Korean Existing Chemicals Inventory
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- AIIC** - Australian Inventory of Industrial Chemicals
- NZIoC** - New Zealand Inventory of Chemicals

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of any hazard and/or precautionary statements referred to under Sections 2-15

H360D - May damage the unborn child

Legend

- SVHC: Substances of Very High Concern for Authorization:
- PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances
- vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances
- STOT: Specific Target Organ Toxicity
- ATE: Acute Toxicity Estimate
- LC50: 50% Lethal Concentration
- LD50: 50% Lethal Dose

Legend Section 8: Exposure controls/personal protection

| | | | |
|---------|-----------------------------|------|----------------------------------|
| TWA | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value | Sk* | Skin designation |
| + | Sensitizers | | |

| Classification procedure | |
|---|--------------------|
| Classification according to Regulation (EC) No. 1272/2008 [CLP] | Method Used |
| Acute oral toxicity | Calculation method |
| Acute dermal toxicity | Calculation method |
| Acute inhalation toxicity - gas | Calculation method |
| Acute inhalation toxicity - vapor | Calculation method |
| Acute inhalation toxicity - dust/mist | Calculation method |
| Skin corrosion/irritation | Calculation method |
| Serious eye damage/eye irritation | Calculation method |
| Respiratory sensitization | Calculation method |
| Skin sensitization | Calculation method |
| Mutagenicity | Calculation method |
| Carcinogenicity | Calculation method |
| Reproductive toxicity | Calculation method |
| STOT - single exposure | Calculation method |
| STOT - repeated exposure | Calculation method |
| Chronic aquatic toxicity | Calculation method |
| Acute aquatic toxicity | Calculation method |
| Aspiration hazard | Calculation method |
| Ozone | Calculation method |

Key literature references and sources for data used to compile the SDS

U.S. Agency for Toxic Substances and Disease Registry (ATSDR)
 U.S. Environmental Protection Agency ChemView Database
 European Food Safety Authority (EFSA)
 European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
 European Chemicals Agency (ECHA) (ECHA_API)
 U.S. Environmental Protection Agency
 Acute Exposure Guideline Level(s) (AEGL(s))
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
 U.S. Environmental Protection Agency High Production Volume Chemicals
 Food Research Journal
 Hazardous Substance Database
 International Uniform Chemical Information Database (IUCLID)
 Japan National Institute of Technology and Evaluation (NITE)
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
 NIOSH (National Institute for Occupational Safety and Health)
 National Library of Medicine's ChemID Plus (NLM CIP)
 National Library of Medicine's PubMed database (NLM PUBMED)
 U.S. National Toxicology Program (NTP)
 New Zealand's Chemical Classification and Information Database (CCID)
 International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications
 International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program
 International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set
 United Nations World Health Organization (WHO)

Revision date 10-Mar-2026

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)**Disclaimer**

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End of Safety Data Sheet