



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
US OSHA Hazard Communication Standard (29 CFR 1910.1200)

Revision date 13-Jan-2025

Revision Number 1

## 1. Identification

### Product identifier

**Product Name** Part A:  
Smooth-Cast 300, 300Q, 305, 310, 45D, 57D, 60D, 61D  
Rigid Urethane 1800PF, 1900PF, 3909

### Other means of identification

**Product Code(s)** FG-4021A

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended use** Polyurethane Elastomer

### Restrictions on use

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

#### Supplier Address

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

**E-mail** sds@smooth-on.com

### Emergency telephone number

**Emergency Telephone** Chemtel: US: 1-800.255.3924; International: 1-813.248.0585

## 2. Hazard(s) identification

### Classification

|  |             |
|--|-------------|
| Acute toxicity - Inhalation (Dusts/Mists)          | Category 4  |
| Skin corrosion/irritation                          | Category 2  |
| Serious eye damage/eye irritation                  | Category 2A |
| Respiratory sensitization                          | Category 1  |
| Skin sensitization                                 | Category 1  |
| Carcinogenicity                                    | Category 2  |
| Specific target organ toxicity (single exposure)   | Category 3  |
| Specific target organ toxicity (repeated exposure) | Category 2  |

### Hazards not otherwise classified (HNOC)

Not applicable

### Label elements



Danger

**Hazard statements**

- H315 - Causes skin irritation
- H317 - May cause an allergic skin reaction
- H319 - Causes serious eye irritation
- H332 - Harmful if inhaled
- H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
- H335 - May cause respiratory irritation
- H351 - Suspected of causing cancer
- H373 - May cause damage to organs through prolonged or repeated exposure

**Precautionary Statements - Prevention**

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Wear protective gloves/clothing and eye/face protection.
- Use only outdoors or in a well-ventilated area.
- Wash face, hands and any exposed skin thoroughly after handling.
- In case of inadequate ventilation wear respiratory protection.
- Contaminated work clothing must not be allowed out of the workplace.
- Do not breathe dust/fume/gas/mist/vapors/spray.

**Precautionary Statements - Response**

- IF exposed or concerned: Get medical advice/attention.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical advice/attention.
- IF ON SKIN: Wash with plenty of water and soap.
- Take off contaminated clothing and wash it before reuse.
- If skin irritation or rash occurs: Get medical advice/attention.
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- If experiencing respiratory symptoms: Call a POISON CENTER or doctor.

**Precautionary Statements - Storage**

- Store locked up.
- Store in a well-ventilated place. Keep container tightly closed.

**Precautionary Statements - Disposal**

- Dispose of contents/container to an approved waste disposal plant.

**Other information**

May be harmful in contact with skin. Toxic to aquatic life with long lasting effects.

**3. Composition/information on ingredients**

**Substance**

Not applicable.

**Mixture**

| Chemical name                      | CAS No.  | Weight-% | Trade secret |
|------------------------------------|----------|----------|--------------|
| 4,4-Methylenediphenyl diisocyanate | 101-68-8 | 30-60    | *            |

|  |           |       |   |
|--|-----------|-------|---|
| 2,2,4-Trimethyl-1,3-pentanediol diisobutyrate            | 6846-50-0 | 30-60 | * |
| Benzene,<br>1-isocyanato-2-[(4-isocyanatophenyl)methyl]- | 5873-54-1 | 1-5   | * |
| Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-             | 128-37-0  | 0.1-1 | * |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. First-aid measures

### Description of first aid measures

|   |   |
|---|---|
| <b>General advice</b>                     | Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get medical advice/attention.   |
| <b>Inhalation</b>                         | 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.   |
| <b>Eye contact</b>                        | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.   |
| <b>Skin contact</b>                       | May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician. Wash off immediately with soap and plenty of water for at least 15 minutes.  |
| <b>Ingestion</b>                          | May produce an allergic reaction. Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Get immediate medical attention.  |
| <b>Self-protection of the first aider</b> | 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. |

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

|                            |  |
|----------------------------|--|
| <b>Symptoms</b>            | May cause allergy or asthma symptoms or breathing difficulties if inhaled. Coughing and/ or wheezing. Itching. Rashes. Hives. May cause redness and tearing of the eyes. Burning sensation. Difficulty in breathing. |
| <b>Effects of Exposure</b> | May cause damage to organs through prolonged or repeated exposure.   |

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

|                           |  |
|---------------------------|--|
| <b>Note to physicians</b> | May cause sensitization in susceptible persons. Treat symptomatically. |
|---------------------------|--|

## 5. Fire-fighting measures

|   |  |
|---|--|
| <b>Suitable Extinguishing Media</b>               | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.              |
| <b>Large Fire</b>                                 | CAUTION: Use of water spray when fighting fire may be inefficient.   |
| <b>Unsuitable extinguishing media</b>             | Do not scatter spilled material with high pressure water streams.  |
| <b>Specific hazards arising from the chemical</b> | Product is or contains a sensitizer. May cause sensitization by inhalation. May cause sensitization by skin contact. |
| <b>Explosion data</b>                             |  |

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

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

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

**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.

**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** Pick up and transfer to properly labeled containers.

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

**7. Handling and storage**

**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. Avoid breathing vapors or mists.

**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.

**8. Exposure controls/personal protection**

**Control parameters**

**Exposure Limits** The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

| Chemical name                                  | ACGIH TLV      | OSHA PEL  | NIOSH   |
|--|----------------|---|---|
| 4,4-Methylenediphenyl diisocyanate<br>101-68-8 | TWA: 0.005 ppm | (vacated) Ceiling: 0.02 ppm<br>regulated under Methylene<br>bisphenyl isocyanate<br>(vacated) Ceiling: 0.2 mg/m <sup>3</sup><br>regulated under Methylene | IDLH: 75 mg/m <sup>3</sup><br>Ceiling: 0.020 ppm 10 min<br>Ceiling: 0.2 mg/m <sup>3</sup> 10 min<br>TWA: 0.005 ppm<br>TWA: 0.05 mg/m <sup>3</sup> |

|   |  |   |                           |
|---|--|---|---------------------------|
|   |  | bisphenyl isocyanate<br>Ceiling: 0.02 ppm<br>Ceiling: 0.2 mg/m <sup>3</sup> |                           |
| Benzene,<br>1-isocyanato-2-[(4-isocyanatophenyl)<br>methyl]-<br>5873-54-1 | -  | Ceiling: 0.02 ppm<br>Ceiling: 0.2 mg/m <sup>3</sup>                         | -                         |
| Phenol,<br>2,6-bis(1,1-dimethylethyl)-4-methyl-<br>128-37-0               | TWA: 2 mg/m <sup>3</sup> inhalable<br>fraction and vapor | (vacated) TWA: 10 mg/m <sup>3</sup>   | TWA: 10 mg/m <sup>3</sup> |

**Appropriate engineering controls**

**Engineering controls**                      Showers  
    Eyewash stations  
    Ventilation systems.

**Individual protection measures, such as personal protective equipment**

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

**Hand protection**                            Wear suitable gloves. Impervious gloves.

**Skin and body protection**                Wear suitable protective clothing. Long sleeved clothing.

**Respiratory protection**                    Appropriate respiratory protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**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.

**9. Physical and chemical properties**

**Information on basic physical and chemical properties**

**Physical state**                                Liquid  
**Appearance**                                Amber Liquid  
**Color**                                         Amber  
**Odor**                                         Musty  
**Odor threshold**                            No information available

| <u>Property</u>                         | <u>Values</u>            | <u>Remarks • Method</u> |
|---|--------------------------|-------------------------|
| pH                                      | No data available        | None known              |
| pH (as aqueous solution)                |                          | None known              |
| Melting point / freezing point          | No data available        | None known              |
| Initial boiling point and boiling range | No data available        | None known              |
| Flash point                             | > 149.0000 °C / 300.2 °F | None known              |
| Evaporation rate                        | 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        |                         |
| Vapor pressure                          | < 0.00016 mmHg (68 °F)   | None known              |

|                           |                   |            |
|---------------------------|-------------------|------------|
| Relative vapor density    | >1                | None known |
| Relative density          | No data available | None known |
| Water solubility          | No data available | None known |
| Solubility(ies)           | No data available | None known |
| Partition coefficient     | No data available | None known |
| Autoignition temperature  | No data available | None known |
| Decomposition temperature |                   | None known |
| Kinematic viscosity       | 30 - 100 cPs      | None known |
| Dynamic viscosity         | No data available | None known |

**Other information**

|                      |                          |
|----------------------|--------------------------|
| Explosive properties | No information available |
| Oxidizing properties | No information available |
| Softening point      | No information available |
| Molecular weight     | No information available |
| VOC content          | No information available |
| Liquid Density       | No information available |
| Bulk density         | No information available |

**10. Stability and reactivity**

|                                    |  |
|------------------------------------|--|
| Reactivity                         | No information available.                            |
| Chemical stability                 | Stable under normal conditions.                      |
| Possibility of hazardous reactions | None under normal processing.                        |
| Conditions to avoid                | Excessive heat.                                      |
| Incompatible materials             | Strong acids. Strong bases. Strong oxidizing agents. |
| Hazardous decomposition products   | None known based on information supplied.            |

**11. Toxicological information****Information on likely routes of exposure****Product Information**

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Specific test data for the substance or mixture is not available. May cause sensitization in susceptible persons. (based on components). May cause irritation of respiratory tract. Harmful by inhalation.  |
| <b>Eye contact</b>  | Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.   |
| <b>Skin contact</b> | 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 cause sensitization by skin contact. Causes skin irritation. |
| <b>Ingestion</b>    | Specific test data for the substance or mixture is not available. May cause additional affects as listed under "Inhalation". Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.  |

**Symptoms related to the physical, chemical and toxicological characteristics**

|                 |  |
|-----------------|--|
| <b>Symptoms</b> | 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. Itching. Rashes. Hives. Redness. May cause redness and tearing of the eyes. |
|-----------------|--|

**Acute toxicity** Harmful by inhalation.

**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 5,854.80 mg/kg  
 ATEmix (dermal) 2,099.10 mg/kg  
 ATEmix (inhalation-dust/mist) 1.50 mg/l

**Component Information**

| Chemical name   | Oral LD50             | Dermal LD50              | Inhalation LC50                     |
|---|-----------------------|--------------------------|-------------------------------------|
| 4,4-Methylenediphenyl diisocyanate<br>101-68-8                        | = 31600 mg/kg ( Rat ) | -                        | = 369 mg/m <sup>3</sup> ( Rat ) 4 h |
| 2,2,4-Trimethyl-1,3-pentanediol diisobutyrate<br>6846-50-0            | > 3200 mg/kg ( Rat )  | > 2000 mg/kg ( Rabbit )  | > 5.3 mg/L ( Rat ) 6 h              |
| Benzene,<br>1-isocyanato-2-[(4-isocyanatophenyl)methyl]-<br>5873-54-1 | > 10000 mg/kg ( Rat ) | > 10000 mg/kg ( Rabbit ) | = 490 mg/m <sup>3</sup> ( Rat ) 4 h |
| Phenol,<br>2,6-bis(1,1-dimethylethyl)-4-methyl-<br>128-37-0           | > 2930 mg/kg ( Rat )  | > 2000 mg/kg ( Rat )     | -                                   |

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

**Skin corrosion/irritation** Classification based on data available for ingredients. Causes skin irritation.

**Serious eye damage/eye irritation** Classification based on data available for ingredients. Causes serious eye irritation.

**Respiratory or skin sensitization** May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

**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   | ACGIH | IARC    | NTP | OSHA |
|---|-------|---------|-----|------|
| 4,4-Methylenediphenyl diisocyanate<br>101-68-8                        | -     | Group 3 | -   | -    |
| Benzene,<br>1-isocyanato-2-[(4-isocyanatophenyl)methyl]-<br>5873-54-1 | -     | Group 3 | -   | -    |
| Phenol,<br>2,6-bis(1,1-dimethylethyl)-4-methyl-<br>128-37-0           | -     | Group 3 | -   | -    |

**Legend**

**IARC (International Agency for Research on Cancer)**

Group 3 - Not Classifiable as to Carcinogenicity in Humans

|                                 |  |
|---------------------------------|--|
| <b>Reproductive toxicity</b>    | No information available.  |
| <b>STOT - single exposure</b>   | May cause respiratory irritation.                                  |
| <b>STOT - repeated exposure</b> | May cause damage to organs through prolonged or repeated exposure. |
| <b>Target organ effects</b>     | Respiratory system, Eyes.  |
| <b>Aspiration hazard</b>        | No information available.  |
| <b>Other adverse effects</b>    | No information available.  |
| <b>Interactive effects</b>      | No information available.  |

## 12. Ecological information

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

| Chemical name   | Algae/aquatic plants  | Fish                                       | Toxicity to microorganisms | Crustacea                            |
|---|---|--|----------------------------|--------------------------------------|
| 2,2,4-Trimethyl-1,3-pentanediol diisobutyrate<br>6846-50-0  | -   | LC50: >1.55mg/L (96h, Pimephales promelas) | -                          | EC50: >1.46mg/L (48h, Daphnia magna) |
| Phenol,<br>2,6-bis(1,1-dimethylethyl)-4-methyl-<br>128-37-0 | EC50: =6mg/L (72h, Pseudokirchneriella subcapitata)<br>EC50: >0.42mg/L (72h, Desmodesmus subspicatus) | -  | -                          | -                                    |

**Persistence and degradability** No information available.

### Bioaccumulation

#### Component Information

| Chemical name  | Partition coefficient |
|--|-----------------------|
| 4,4-Methylenediphenyl diisocyanate<br>101-68-8                     | 4.51                  |
| Benzene, 1-isocyanato-2-[(4-isocyanatophenyl)methyl]-<br>5873-54-1 | 4.5                   |
| Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-<br>128-37-0           | 5.1                   |

**Other adverse effects** No information available.

## 13. Disposal considerations

### Disposal 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.

**14. Transport information**

**DOT** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

**15. Regulatory information**

**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.

**KECI** 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 and Evaluated Chemical Substances
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- AIIC** - Australian Inventory of Industrial Chemicals
- NZIoC** - New Zealand Inventory of Chemicals

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

| Chemical name   | SARA 313 - Threshold Values % |
|---|-------------------------------|
| 4,4-Methylenediphenyl diisocyanate - 101-68-8                     | 1.0                           |
| Benzene, 1-isocyanato-2-[(4-isocyanatophenyl)methyl]- - 5873-54-1 | 1.0                           |

**SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40

CFR 122.42).

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

| Chemical name                                  | Hazardous Substances RQs | Extremely Hazardous Substances RQs | Reportable Quantity (RQ)                   |
|--|--------------------------|------------------------------------|--|
| 4,4-Methylenediphenyl diisocyanate<br>101-68-8 | 5000 lb                  | -                                  | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |

**US State Regulations**

**U.S. State Right-to-Know Regulations**

| Chemical name   | New Jersey | Massachusetts | Pennsylvania |
|---|------------|---------------|--------------|
| 4,4-Methylenediphenyl diisocyanate<br>101-68-8                            | X          | X             | X            |
| Benzene,<br>1-isocyanato-2-[(4-isocyanatophenyl)<br>methyl]-<br>5873-54-1 | X          | -             | -            |
| Phenol,<br>2,6-bis(1,1-dimethylethyl)-4-methyl-<br>128-37-0               | X          | X             | X            |

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. Other information**

**NFPA** Health hazards 3 Flammability 1 Instability 0 Special hazards -  
**HMIS** Health hazards 2 \* Flammability 1 Physical hazards 0 Personal protection X  
*Chronic Hazard Star Legend \* = Chronic Health Hazard*

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

**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

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

Agency for Toxic Substances and Disease Registry (ATSDR)  
 U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 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)  
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)  
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

**Revision date** 13-Jan-2025  
**Revision Note** No information available.

**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:  
US OSHA Hazard Communication Standard (29 CFR 1910.1200)

Revision date 07-Nov-2024

Revision Number 2

## 1. Identification

### Product identifier

**Product Name** Part B:  
Smooth-Cast 300, 305, 320, 300Q, 45D, 57D, 60D, 61D, 65D, 66D  
Task 2, 3, 11  
Feather Lite

### Other means of identification

**Product Code(s)** FG-402B

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended use** Polyurethane Elastomer

**Restrictions on use** No information available

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

#### **Supplier Address**

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

**E-mail** sds@smooth-on.com

### Emergency telephone number

**Emergency Telephone** Chemtel: US: 1-800.255.3924; International: 1-813.248.0585

## 2. Hazard(s) identification

### Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

### Hazards not otherwise classified (HNOC)

Not applicable

### Label elements

#### Hazard statements

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Other information**

May be harmful if swallowed. May be harmful in contact with skin. Toxic to aquatic life with long lasting effects.

**3. Composition/information on ingredients**

**Substance**

Not applicable.

**Mixture**

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. First-aid measures**

**Description of first aid measures**

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Remove to fresh air.   |
| <b>Eye contact</b>  | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| <b>Skin contact</b> | Wash skin with soap and water.   |
| <b>Ingestion</b>    | Rinse mouth.   |

**Most important symptoms and effects, both acute and delayed**

|                            |                           |
|----------------------------|---------------------------|
| <b>Symptoms</b>            | No information available. |
| <b>Effects of Exposure</b> | No information available. |

**Indication of any immediate medical attention and special treatment needed**

|                           |                        |
|---------------------------|------------------------|
| <b>Note to physicians</b> | Treat symptomatically. |
|---------------------------|------------------------|

**5. Fire-fighting measures**

|   |  |
|---|--|
| <b>Suitable Extinguishing Media</b>                                   | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.                            |
| <b>Large Fire</b>   | CAUTION: Use of water spray when fighting fire may be inefficient.   |
| <b>Unsuitable extinguishing media</b>                                 | Do not scatter spilled material with high pressure water streams.  |
| <b>Specific hazards arising from the chemical</b>                     | No information available.  |
| <b>Explosion data</b>   |  |
| <b>Sensitivity to mechanical impact</b>                               | None.  |
| <b>Sensitivity to static discharge</b>                                | None.  |
| <b>Special protective equipment and precautions for fire-fighters</b> | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Ensure adequate ventilation.

### 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** Pick up and transfer to properly labeled containers.

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

## 7. Handling and storage

### Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place.

## 8. Exposure controls/personal protection

### Control parameters

**Exposure Limits** The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

### Appropriate engineering controls

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Appropriate eye/face protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction.

**Hand protection** Appropriate hand protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction.

**Skin and body protection** Appropriate skin and body protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction.

|                                       |   |
|---------------------------------------|---|
| <b>Respiratory protection</b>         | Appropriate respiratory protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. |
| <b>General hygiene considerations</b> | Handle in accordance with good industrial hygiene and safety practice.  |

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

|                       |                            |
|-----------------------|----------------------------|
| <b>Physical state</b> | Liquid                     |
| <b>Appearance</b>     | Translucent viscous liquid |
| <b>Color</b>          | No information available   |
| <b>Odor</b>           | Mild to sweet              |
| <b>Odor threshold</b> | No information available   |

| <u>Property</u>                                | <u>Values</u>                       | <u>Remarks • Method</u> |
|--|-------------------------------------|-------------------------|
| <b>pH</b>                                      | No data available                   | None known              |
| <b>pH (as aqueous solution)</b>                |                                     | None known              |
| <b>Melting point / freezing point</b>          | No data available                   | None known              |
| <b>Initial boiling point and boiling range</b> | No data available                   | None known              |
| <b>Flash point</b>                             | > 148.889 °C / 300 °F               | None known              |
| <b>Evaporation rate</b>                        | No data available                   | None known              |
| <b>Flammability</b>                            | No data available                   | None known              |
| <b>Flammability Limit in Air</b>               |                                     | None known              |
| <b>Upper flammability or explosive limits</b>  | No data available                   |                         |
| <b>Lower flammability or explosive limits</b>  | No data available                   |                         |
| <b>Vapor pressure</b>                          | < 0.00016 mmHg @20 °C (kPa) (68 °F) | None known              |
| <b>Relative vapor density</b>                  | >1                                  | None known              |
| <b>Relative density</b>                        | 1.07                                | None known              |
| <b>Water solubility</b>                        | Insoluble in water                  | None known              |
| <b>Solubility(ies)</b>                         | No data available                   | None known              |
| <b>Partition coefficient</b>                   | No data available                   | None known              |
| <b>Autoignition temperature</b>                | No data available                   | None known              |
| <b>Decomposition temperature</b>               |                                     | None known              |
| <b>Kinematic viscosity</b>                     | 100 - 300 cPs                       | None known              |
| <b>Dynamic viscosity</b>                       | No data available                   | None known              |

### Other information

|                             |                          |
|-----------------------------|--------------------------|
| <b>Explosive properties</b> | No information available |
| <b>Oxidizing properties</b> | No information available |
| <b>Softening point</b>      | No information available |
| <b>Molecular weight</b>     | No information available |
| <b>VOC content</b>          | No information available |
| <b>Liquid Density</b>       | No information available |
| <b>Bulk density</b>         | No information available |

## 10. Stability and reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                         | No information available.                 |
| <b>Chemical stability</b>                 | Stable under normal conditions.           |
| <b>Possibility of hazardous reactions</b> | None under normal processing.             |
| <b>Conditions to avoid</b>                | None known based on information supplied. |

**Incompatible materials** None known based on information supplied.

**Hazardous decomposition products** Thermal oxidative decomposition can produce carbon oxides, gasses/vapors, and traces of incompletely burned carbon compounds.

## 11. Toxicological information

### Information on likely routes of exposure

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. |
| <b>Eye contact</b>  | Specific test data for the substance or mixture is not available. Contact with eyes may cause irritation.    |
| <b>Skin contact</b> | May be harmful in contact with skin.   |
| <b>Ingestion</b>    | Specific test data for the substance or mixture is not available. May be harmful if swallowed.               |

### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** No information available.

### Acute toxicity

### **Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

|                        |                |
|------------------------|----------------|
| <b>ATEmix (oral)</b>   | 3,245.40 mg/kg |
| <b>ATEmix (dermal)</b> | 2,015.60 mg/kg |

### **Component Information**

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

|  |   |
|--|---|
| <b>Skin corrosion/irritation</b>         | Classification based on data available for ingredients. No information available.                     |
| <b>Serious eye damage/eye irritation</b> | Classification based on data available for ingredients. No known effects under normal use conditions. |
| <b>Respiratory or skin sensitization</b> | Classification based on data available for ingredients. No information available.                     |
| <b>Germ cell mutagenicity</b>            | Classification based on data available for ingredients. No information available.                     |
| <b>Carcinogenicity</b>                   | Classification based on data available for ingredients. No information available.                     |
| <b>Reproductive toxicity</b>             | Classification based on data available for ingredients. No information available.                     |
| <b>STOT - single exposure</b>            | No information available.   |



|                                 |                           |
|---------------------------------|---------------------------|
| <b>STOT - repeated exposure</b> | No information available. |
| <b>Aspiration hazard</b>        | No information available. |
| <b>Other adverse effects</b>    | No information available. |
| <b>Interactive effects</b>      | No information available. |

**12. Ecological information**

|                                      |  |
|--------------------------------------|--|
| <b>Ecotoxicity</b>                   | Toxic to aquatic life with long lasting effects. |
| <b>Persistence and degradability</b> | No information available.                        |
| <b>Bioaccumulation</b>               | There is no data for this product.               |
| <b>Other adverse effects</b>         | No information available.                        |

**13. Disposal considerations**

**Disposal methods**

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

**14. Transport information**

|                    |               |
|--------------------|---------------|
| <b><u>DOT</u></b>  | Not regulated |
| <b><u>IATA</u></b> | Not regulated |
| <b><u>IMDG</u></b> | Not regulated |

**15. Regulatory information**

**International Inventories**

|                      |   |
|----------------------|---|
| <b>TSCA</b>          | Contact supplier for inventory compliance status. |
| <b>DSL/NDSL</b>      | Contact supplier for inventory compliance status. |
| <b>EINECS/ELINCS</b> | Contact supplier for inventory compliance status. |
| <b>ENCS</b>          | Contact supplier for inventory compliance status. |

IECSC Contact supplier for inventory compliance status.  
 KECI 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 and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AIIC** - Australian Inventory of Industrial Chemicals  
**NZIoC** - New Zealand Inventory of Chemicals

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations**

**U.S. State Right-to-Know Regulations**

| Chemical name                    | New Jersey | Massachusetts | Pennsylvania |
|----------------------------------|------------|---------------|--------------|
| Dipropylene glycol<br>25265-71-8 | -          | -             | X            |

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**16. Other information**

|                                   |                                  |                |                    |                       |
|-----------------------------------|----------------------------------|----------------|--------------------|-----------------------|
| <b>NFPA</b>                       | Health hazards 1                 | Flammability 0 | Instability 0      | Special hazards -     |
| <b>HMIS</b>                       | Health hazards 1*                | Flammability 0 | Physical hazards 0 | Personal protection X |
| <i>Chronic Hazard Star Legend</i> | <i>* = Chronic Health Hazard</i> |                |                    |                       |

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

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

Agency for Toxic Substances and Disease Registry (ATSDR)  
 U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 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)  
 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)  
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
 Organization for Economic Co-operation and Development Screening Information Data Set  
 World Health Organization

**Revision date** 07-Nov-2024

**Revision Note** No information available.

**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**