



# SAFETY DATA SHEET

Revision date 13-Jan-2025

Revision Number 1

## Section 1: Identification: Product identifier and chemical identity

### Product identifier

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

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

### Other means of identification

**Safety data sheet number** FG-4021A

**Pure substance/mixture** Mixture

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

**Recommended use** Polyurethane Elastomer.

### Uses advised against

### Details of manufacturer or importer

#### Manufacturer

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

**Contact Point** Product Safety Department

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

### Emergency telephone number

**Emergency telephone number** CHEMTEL +01-813-248-0585

## Section 2: Hazard(s) identification

### GHS Classification

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

### Label elements

Exclamation mark  
Health hazard

**Signal word**

DANGER

**Hazard statements**

Harmful if inhaled.  
 Causes skin irritation.  
 Causes serious eye irritation.  
 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 May cause an allergic skin reaction.  
 Suspected of causing cancer.  
 May cause respiratory irritation.  
 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.  
 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 should not be allowed out of the workplace.  
 Do not breathe dust/fume/gas/mist/vapors/spray.  
 Wear protective gloves.

**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.  
 Call a POISON CENTER or doctor if you feel unwell.  
 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 hazards which do not result in classification**

May be harmful in contact with skin.

**Section 3: Composition/information on ingredients**

| Chemical name  | CAS No.   | Weight-% |
|--|-----------|----------|
| 4,4-Methylenediphenyl diisocyanate                       | 101-68-8  | 30-60    |
| Benzene,<br>1-isocyanato-2-[(4-isocyanatophenyl)methyl]- | 5873-54-1 | 1-5      |

**Section 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.   |
| <b><u>Indication of any immediate medical attention and special treatment needed</u></b> |  |
| <b>Note to physicians</b>  | May cause sensitization in susceptible persons. Treat symptomatically.   |

### **Section 5: Firefighting measures**

#### **Suitable 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.

#### **Specific hazards arising from the chemical**

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

#### **Special protective actions for fire-fighters**

**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**

**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.

**For emergency responders** Use personal protection recommended in Section 8.

**Environmental precautions**

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

**Methods and material for containment and cleaning up**

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

**Precautions to prevent secondary hazards**

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

**Section 7: Handling and storage, including how the chemical may be safely used**

**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.

**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.

**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.

**Incompatible materials** Strong acids. Strong bases. Strong oxidizing agents.

**Section 8: Exposure controls and personal protection**

**Control parameters**

**Exposure Limits**

| Chemical name   | Australia   | New Zealand   | ACGIH TLV      |
|---|---|---|----------------|
| 4,4-Methylenediphenyl diisocyanate<br>101-68-8                            | TWA: 0.02 mg/m <sup>3</sup><br>STEL: 0.07 mg/m <sup>3</sup> | TWA: 0.02 mg/m <sup>3</sup><br>STEL: 0.07 mg/m <sup>3</sup> | TWA: 0.005 ppm |
| Benzene,<br>1-isocyanato-2-[(4-isocyanatophenyl)<br>methyl]-<br>5873-54-1 | TWA: 0.02 mg/m <sup>3</sup><br>STEL: 0.07 mg/m <sup>3</sup> | TWA: 0.02 mg/m <sup>3</sup><br>STEL: 0.07 mg/m <sup>3</sup> | -              |

| Chemical name                      | European Union | United Kingdom              | Germany DFG                 |
|------------------------------------|----------------|-----------------------------|-----------------------------|
| 4,4-Methylenediphenyl diisocyanate | -              | TWA: 0.02 mg/m <sup>3</sup> | TWA: 0.05 mg/m <sup>3</sup> |

|   |   |   |  |
|---|---|---|--|
| 101-68-8  |   | STEL: 0.07 mg/m <sup>3</sup><br>Sen+                                | Peak: 0.05 mg/m <sup>3</sup><br>Sk*<br>respiratory and skin sensitizer<br>inhalable fraction |
| Benzene,<br>1-isocyanato-2-[(4-isocyanatophenyl)<br>methyl]-<br>5873-54-1 | - | TWA: 0.02 mg/m <sup>3</sup><br>STEL: 0.07 mg/m <sup>3</sup><br>Sen+ | -  |

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

**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).

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

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

**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.

**Environmental exposure controls** No information available.

**Thermal hazards** No information available.

**Section 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              |
| 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          | 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 | No data available | None known |
| Kinematic viscosity       | 30 - 100 cPs      | None known |
| Dynamic viscosity         | No data available | None known |

**Other information**

|                          |                          |
|--------------------------|--------------------------|
| VOC content              | No information available |
| Particle characteristics | No information available |

**Section 10: Stability and reactivity****Reactivity**

|            |                           |
|------------|---------------------------|
| Reactivity | No information available. |
|------------|---------------------------|

**Chemical stability**

|           |                                 |
|-----------|---------------------------------|
| Stability | Stable under normal conditions. |
|-----------|---------------------------------|

**Explosion data**

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

**Possibility of hazardous reactions**

|                                    |                               |
|------------------------------------|-------------------------------|
| Possibility of hazardous reactions | None under normal processing. |
|------------------------------------|-------------------------------|

**Conditions to avoid**

|                     |                 |
|---------------------|-----------------|
| Conditions to avoid | Excessive heat. |
|---------------------|-----------------|

**Incompatible materials**

|                        |  |
|------------------------|--|
| Incompatible materials | Strong acids. Strong bases. Strong oxidizing agents. |
|------------------------|--|

**Hazardous decomposition products**

|                                  |   |
|----------------------------------|---|
| Hazardous decomposition products | None known based on information supplied. |
|----------------------------------|---|

**Section 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 effects as listed under "Inhalation". Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.  |

**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. Itching. Rashes. Hives. Redness. May cause redness and tearing of the eyes.

**Acute toxicity** Harmful by inhalation.

**Numerical measures of toxicity - Product Information**

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      |

**Unknown acute toxicity**

55.025 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**Component Information**

| Chemical name  | Oral LD50             | Dermal LD50              | Inhalation LC50                     |
|--|-----------------------|--------------------------|-------------------------------------|
| 4,4-Methylenediphenyl diisocyanate                           | = 31600 mg/kg ( Rat ) | -                        | = 369 mg/m <sup>3</sup> ( Rat ) 4 h |
| Benzene,<br>1-isocyanato-2-[(4-isocyanatophenyl)<br>methyl]- | > 10000 mg/kg ( Rat ) | > 10000 mg/kg ( Rabbit ) | = 490 mg/m <sup>3</sup> ( Rat ) 4 h |

See section 16 for terms and abbreviations

**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. Causes skin irritation.  |
| <b>Serious eye damage/eye irritation</b> | Classification based on data available for ingredients. Causes serious eye irritation.   |
| <b>Respiratory or skin sensitization</b> | May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.                |
| <b>Germ cell mutagenicity</b>            | No information available.  |
| <b>Carcinogenicity</b>                   | 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   | Australia | European Union | IARC    |
|---|-----------|----------------|---------|
| 4,4-Methylenediphenyl diisocyanate - 101-68-8                           | Carc. 2   | Carc. 2        | Group 3 |
| Benzene,<br>1-isocyanato-2-[(4-isocyanatophenyl)methyl]- -<br>5873-54-1 | Carc. 2   | Carc. 2        | Group 3 |

**Legend**

**IARC (International Agency for Research on Cancer)**  
Group 3 - Not Classifiable as to Carcinogenicity in Humans

**Reproductive toxicity** 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>Aspiration hazard</b>        | No information available.  |

## Section 12: Ecological information

### Ecotoxicity

#### Aquatic ecotoxicity

#### Terrestrial ecotoxicity

| Chemical name   | Earthworm   | Avian | Honeybees |
|---|---|-------|-----------|
| 4,4-Methylenediphenyl diisocyanate                    | Acute Toxicity: LC50 > 1000 mg/kg (Eisenia foetida 14 Days soil dry weight)<br>Source: IUCLID<br>NOEC >= 1000 mg/kg (Eisenia foetida 14 Days soil dry weight)<br>Source: IUCLID | -     | -         |
| Benzene, 1-isocyanato-2-[(4-isocyanatophenyl)methyl]- | Acute Toxicity: LC50 > 1000 mg/kg (Eisenia foetida 14 Days soil dry weight)<br>Source: IUCLID<br>NOEC >= 1000 mg/kg (Eisenia foetida 14 Days soil dry weight)<br>Source: IUCLID | -     | -         |

### Persistence and degradability

**Persistence and degradability** No information available.

### Bioaccumulative potential

#### Bioaccumulation

#### Component Information

| Chemical name   | Partition coefficient |
|---|-----------------------|
| 4,4-Methylenediphenyl diisocyanate                    | 4.51                  |
| Benzene, 1-isocyanato-2-[(4-isocyanatophenyl)methyl]- | 4.5                   |

### Mobility

**Mobility** No information available.

### Other adverse effects



**Other adverse effects** No information available.

### Section 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.

See section 8 for more information

### Section 14: Transport information

**ADG** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

#### **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

No information available

### Section 15: Regulatory information

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

#### National regulations

##### Australia

See section 8 for national exposure control parameters

#### **Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)**

Classified as a scheduled poison according to the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)

**Poison Schedule Number** 6

#### **Australian Industrial Chemicals Introduction Scheme (AICIS)**

| Chemical name   | Australian Industrial Chemicals Introduction Scheme (AICIS) | Additional information |
|---|---|------------------------|
| 4,4-Methylenediphenyl diisocyanate - 101-68-8                     | Present   | -                      |
| Benzene, 1-isocyanato-2-[(4-isocyanatophenyl)methyl]- - 5873-54-1 | Present   | -                      |

#### **Illicit Drug Precursors/Reagents**

This product does not contain any substance(s) on the Illicit Drug Precursors/Reagents list.

#### **National pollutant inventory**

Subject to reporting requirement

| Chemical name                                 | National pollutant inventory     |
|---|----------------------------------|
| 4,4-Methylenediphenyl diisocyanate - 101-68-8 | 10 tonne/yr Threshold category 1 |

**International Inventories**

|                      |   |
|----------------------|---|
| <b>AIIC</b>          | Contact supplier for inventory compliance status. |
| <b>NZIoC</b>         | Contact supplier for inventory compliance status. |
| <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. |
| <b>IECSC</b>         | Contact supplier for inventory compliance status. |
| <b>KECI</b>          | Contact supplier for inventory compliance status. |
| <b>PICCS</b>         | Contact supplier for inventory compliance status. |

**Legend:**

- AIIC** - Australian Inventory of Industrial Chemicals
- NZIoC** - New Zealand Inventory of Chemicals
- 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

**International Regulations**

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** Not applicable

**Section 16: Any other relevant information**

**Revision date** 13-Jan-2025

**Revision Note**

\*\*\*Indicates updated data since last publication.

**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                 |
| C       | Carcinogen                  |      |                                  |

**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)  
Australian Industrial Chemicals Introduction Scheme (AICIS)  
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

**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

Revision date 07-Feb-2025

Revision Number 1

## Section 1: Identification: Product identifier and chemical identity

### Product identifier

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

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

### Other means of identification

**Safety data sheet number** FG-402B

**Pure substance/mixture** Mixture

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

**Recommended use** Polyurethane Elastomer.

**Uses advised against** No information available.

### Details of manufacturer or importer

#### 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

**Contact Point** Product Safety Department

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

### Emergency telephone number

**Emergency telephone number** CHEMTEL +01-813-248-0585  
Australia Poisons Information Centre: 13 11 26

## Section 2: Hazard(s) identification

### GHS Classification

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS). Not classified.

### Label elements

#### **Hazard statements**

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS). Not classified.

### Other hazards which do not result in classification

May be harmful if swallowed.

May be harmful in contact with skin.

### Section 3: Composition/information on ingredients

The product contains no substances which at their given concentration, are considered to be hazardous to health

| Chemical name             | CAS No.     | Weight-% |
|---------------------------|-------------|----------|
| Non-hazardous ingredients | Proprietary | Balance  |

### Section 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. |
|---------------------------|------------------------|

### Section 5: Firefighting measures

#### Suitable 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.

#### Specific hazards arising from the chemical

**Specific hazards arising from the chemical** No information available.

#### Special protective actions for fire-fighters

**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

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

|                                 |   |
|---------------------------------|---|
| <b>Personal precautions</b>     | Ensure adequate ventilation.                      |
| <b>For emergency responders</b> | Use personal protection recommended in Section 8. |

**Environmental precautions**

|                                  |   |
|----------------------------------|---|
| <b>Environmental precautions</b> | See Section 12 for additional Ecological Information. |
|----------------------------------|---|

**Methods and material for containment and cleaning up**

|                                |   |
|--------------------------------|---|
| <b>Methods for containment</b> | Prevent further leakage or spillage if safe to do so. |
|--------------------------------|---|

**Precautions to prevent secondary hazards**

|  |  |
|--|--|
| <b>Prevention of secondary hazards</b> | Clean contaminated objects and areas thoroughly observing environmental regulations. |
|--|--|

**Section 7: Handling and storage, including how the chemical may be safely used****Precautions for safe handling**

|                                |  |
|--------------------------------|--|
| <b>Advice on safe handling</b> | Handle in accordance with good industrial hygiene and safety practice. |
|--------------------------------|--|

**Conditions for safe storage, including any incompatibilities**

|                               |  |
|-------------------------------|--|
| <b>Storage Conditions</b>     | Keep containers tightly closed in a dry, cool and well-ventilated place. |
| <b>Incompatible materials</b> | None known based on information supplied.                                |

**Section 8: Exposure controls and personal protection****Control parameters**

|                        |   |
|------------------------|---|
| <b>Exposure Limits</b> | This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies. |
|------------------------|---|

|  |   |
|--|---|
| <b>Biological occupational exposure limits</b> | This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies |
|--|---|

**Appropriate engineering controls**

|                             |   |
|-----------------------------|---|
| <b>Engineering controls</b> | Showers<br>Eyewash stations<br>Ventilation systems. |
|-----------------------------|---|

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

|                            |  |
|----------------------------|--|
| <b>Eye/face protection</b> | 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. |
|----------------------------|--|

|                                 |   |
|---------------------------------|---|
| <b>Skin and body protection</b> | 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>Hand protection</b> | 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. |
|------------------------|--|

|  |   |
|--|---|
| <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>Environmental exposure controls</b> | No information available.   |
| <b>Thermal hazards</b>                 | No information available.   |

## Section 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>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>               | No data available                   | None known              |
| <b>Kinematic viscosity</b>                     | 100 - 300 cPs                       | None known              |
| <b>Dynamic viscosity</b>                       | No data available                   | None known              |

### Other information

|                                 |                          |
|---------------------------------|--------------------------|
| <b>VOC content</b>              | No information available |
| <b>Particle characteristics</b> | No information available |

## Section 10: Stability and reactivity

### Reactivity

|                   |                           |
|-------------------|---------------------------|
| <b>Reactivity</b> | No information available. |
|-------------------|---------------------------|

### Chemical stability

|                  |                                 |
|------------------|---------------------------------|
| <b>Stability</b> | Stable under normal conditions. |
|------------------|---------------------------------|

### Explosion data

|   |       |
|---|-------|
| <b>Sensitivity to mechanical impact</b> | None. |
| <b>Sensitivity to static discharge</b>  | None. |

**Possibility of hazardous reactions**

**Possibility of hazardous reactions** None under normal processing.

**Conditions to avoid**

**Conditions to avoid** None known based on information supplied.

**Incompatible materials**

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

**Hazardous decomposition products**

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

## Section 11: Toxicological information

**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 be harmful in contact with skin.

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

**Symptoms** No information available.

**Acute toxicity****Numerical measures of toxicity - Product Information**

No information available

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

**ATEmix (oral)** 3,245.40 mg/kg

**ATEmix (dermal)** 2,015.60 mg/kg

**Unknown acute toxicity**

*See section 16 for terms and abbreviations*

**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** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** No information available.



|                                 |                           |
|---------------------------------|---------------------------|
| <b>Reproductive toxicity</b>    | 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. |

## Section 12: Ecological information

### Ecotoxicity

#### **Aquatic ecotoxicity**

**Terrestrial ecotoxicity** There is no data for this product.

### Persistence and degradability

**Persistence and degradability** No information available.

### Bioaccumulative potential

**Bioaccumulation** There is no data for this product.

### Mobility

**Mobility** No information available.

### Other adverse effects

**Other adverse effects** No information available.

## Section 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.

See section 8 for more information

## Section 14: Transport information

**ADG** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
No information available

## **Section 15: Regulatory information**

### **Safety, health and environmental regulations/legislation specific for the substance or mixture**

#### **National regulations**

##### **Australia**

See section 8 for national exposure control parameters

##### **Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)**

Classified as a scheduled poison according to the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)

**Poison Schedule Number** 10

##### **Australian Industrial Chemicals Introduction Scheme (AICIS)**

Contact supplier for inventory compliance status

##### **Illicit Drug Precursors/Reagents**

This product does not contain any substance(s) on the Illicit Drug Precursors/Reagents list.

#### **International Inventories**

|                      |   |
|----------------------|---|
| <b>AIIC</b>          | Contact supplier for inventory compliance status. |
| <b>NZIoC</b>         | Contact supplier for inventory compliance status. |
| <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. |
| <b>IECSC</b>         | Contact supplier for inventory compliance status. |
| <b>KECI</b>          | Contact supplier for inventory compliance status. |
| <b>PICCS</b>         | Contact supplier for inventory compliance status. |

#### **Legend:**

**AIIC** - Australian Inventory of Industrial Chemicals

**NZIoC** - New Zealand Inventory of Chemicals

**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

#### **International Regulations**

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

The Rotterdam Convention Not applicable

## Section 16: Any other relevant information

Revision date 07-Feb-2025

### Revision Note

\*\*\*Indicates updated data since last publication.

### 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                 |
| C       | Carcinogen                  |      |                                  |

#### 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)  
 Australian Industrial Chemicals Introduction Scheme (AICIS)  
 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

#### 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**