



# SAFETY DATA SHEET

Revision date 13-Sep-2024

Revision Number 2

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

### Product identifier

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name | Part A:<br>Body Double<br>Body Double Silk<br>Dragon Skin Series<br>F/X Pro<br>Ecoflex Series & Gel<br>Encapso K<br>Equinox Series<br>EZ Brush Silicone<br>EZ-Spray Silicone Series<br>Mold Max Series<br>Mold Star Series<br>Oomoo Series<br>Poyo Putty 40<br>Psycho Paint<br>Rebound Series<br>Rubber Glass<br>Silicone 1515, 1603, 1708, 3030<br>Skin Tite<br>Smooth-Sil Series<br>Solaris<br>SomaFoama Series<br>Sorta-Clear Series |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                 |         |
|-----------------|---------|
| Product Code(s) | FG-823A |
|-----------------|---------|

### Other means of identification

|                          |         |
|--------------------------|---------|
| Safety data sheet number | FG-823A |
|--------------------------|---------|

|                        |         |
|------------------------|---------|
| Pure substance/mixture | Mixture |
|------------------------|---------|

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

|                 |                     |
|-----------------|---------------------|
| Recommended use | Silicone 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](http://www.smooth-on.com), [sds@smooth-on.com](mailto:sds@smooth-on.com)

For further information, please contact

|               |                           |
|---------------|---------------------------|
| Contact Point | Product Safety Department |
|---------------|---------------------------|

|                |                                                          |
|----------------|----------------------------------------------------------|
| E-mail address | <a href="mailto:sds@smooth-on.com">sds@smooth-on.com</a> |
|----------------|----------------------------------------------------------|

Emergency telephone number

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

## 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

No information available.

## Section 3: Composition/information on ingredients

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

## Section 4: First aid measures

### Description of first aid measures

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

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

Symptoms      No information available.

Effects of Exposure      No information available.

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

Note to physicians      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**

**Personal precautions** Ensure adequate ventilation.

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

**Environmental precautions**

**Environmental precautions** See Section 12 for additional Ecological Information.

**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.

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

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

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

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

**Control parameters**

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

**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** 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.

**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.

**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.

**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** Viscous Liquid  
**Color** No information available  
**Odor** Mild to sweet.  
**Odor threshold** No information available

| <b><u>Property</u></b>                         | <b><u>Values</u></b>     | <b><u>Remarks • Method</u></b> |
|------------------------------------------------|--------------------------|--------------------------------|
| <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             | 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>                          | No data available        | None known                     |
| <b>Relative vapor density</b>                  | > 1.0                    | None known                     |
| <b>Relative density</b>                        | 1.05 - 1.15              | 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>                     | No data available        | None known                     |
| <b>Dynamic viscosity</b>                       | 5,000 - 50,000 centipose | 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** None known based on information supplied.

### Incompatible materials

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

### Hazardous decomposition products

**Hazardous decomposition products** None known based on information supplied.

## Section 11: Toxicological information

### Information on likely routes of exposure

#### **Product Information**

**Inhalation** Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.

**Eye contact** Specific test data for the substance or mixture is not available. Contact with eyes may cause irritation.

**Skin contact** Specific test data for the substance or mixture is not available. No known effect based on information supplied.

**Ingestion** Specific test data for the substance or mixture is not available. May be harmful if swallowed.

**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

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. No information available. |
| <b>Serious eye damage/eye irritation</b> | Classification based on data available for ingredients. No information available. |
| <b>Respiratory or skin sensitization</b> | Classification based on data available for ingredients. No information available. |
| <b>Germ cell mutagenicity</b>            | No information available.                                                         |
| <b>Carcinogenicity</b>                   | 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** The environmental impact of this product has not been fully investigated.

**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)**  
No poisons schedule number allocated

**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/NDL</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-Sep-2024

### **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 09-May-2025

Revision Number 1

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

### Product identifier

**Product Name** Part B:  
Mold Max 29NV, 40, Stroke  
Fast Cat 30  
Silicone 3030

**Product Code(s)** FG-1427B

### Other means of identification

**Safety data sheet number** FG-1427B

**Pure substance/mixture** Mixture

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

**Recommended use** Silicone Elastomer Crosslinker.

### Uses advised against

**Illicit Drug Precursors/Reagents** This product contains one or more substance(s) on the Illicit Drug Precursors/Reagents list. Verify requirements related to using, handling, and storing these substances.

### 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](http://www.smooth-on.com), [sds@smooth-on.com](mailto:sds@smooth-on.com)

For further information, please contact

**Contact Point** Product Safety Department

**E-mail address** [sds@smooth-on.com](mailto: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

|                                           |            |
|-------------------------------------------|------------|
| Flammable liquids                         | Category 4 |
| Acute toxicity - Inhalation (Dusts/Mists) | Category 4 |

### Label elements

Exclamation mark  
Health hazard

**Signal word**

WARNING

**Hazard statements**

Combustible liquid.  
Harmful if inhaled.

**Precautionary Statements - Prevention**

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Wear protective gloves, protective clothing, eye protection and face protection.  
Avoid breathing dust, fume, gas, mist, vapors and spray.  
Use only outdoors or in a well-ventilated area.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**Precautionary Statements - Response**

IF exposed or concerned: 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.  
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**Precautionary Statements - Storage**

Store locked up.  
Store in a well-ventilated place.

**Precautionary Statements - Disposal**

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

**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**

| Chemical name                                                     | CAS No.     | Weight-% |
|-------------------------------------------------------------------|-------------|----------|
| Silicic acid (H <sub>4</sub> SiO <sub>4</sub> ), tetraethyl ester | 78-10-4     | 5 - 10   |
| Ethyl alcohol                                                     | 64-17-5     | 1 - 5    |
| Non-hazardous ingredients                                         | Proprietary | Balance  |

**Section 4: First aid measures****Description of first aid measures****General advice**

IF exposed or concerned: Get medical advice/attention. Show this safety data sheet to the doctor in attendance.

**Inhalation**

Remove to fresh air. If symptoms persist, call a physician. If breathing has stopped, give artificial respiration. Get medical attention immediately.

**Eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing.

**Skin contact**

Wash off immediately with soap and plenty of water while removing all contaminated clothes

and shoes.

**Ingestion** Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Get medical attention.

**Self-protection of the first aider** Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid breathing vapors or mists. Use personal protective equipment as required. See section 8 for more information.

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

**Symptoms** Coughing and/ or wheezing. Difficulty in breathing.

**Effects of Exposure** No information available.

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

**Note to physicians** Treat symptomatically.

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

#### **Suitable Extinguishing Media**

**Suitable extinguishing media** Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray. Alcohol resistant foam.

**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** Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray.

#### **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** Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Take precautionary measures against static discharges. Do not touch or walk through spilled material. Ensure adequate ventilation. 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** Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so.

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

**Methods for containment** Stop leak if you can do it without risk. Do not touch or walk through spilled material. Dike far ahead of liquid spill for later disposal.

**Methods for cleaning up** Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

#### 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** Use personal protection equipment. Do not breathe vapor or mist. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges. Use with local exhaust ventilation. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product.

**General hygiene considerations** Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. 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. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Keep out of the reach of children.

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

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

#### Working area parameters, subject to mandatory control (MAC or TSEL)

##### **Exposure Limits**

| Chemical name                                                                | Australia                                    | New Zealand                                                                                 | ACGIH TLV      |
|------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------------------------------------------------|----------------|
| Silicic acid (H <sub>4</sub> SiO <sub>4</sub> ), tetraethyl ester<br>78-10-4 | TWA: 10 ppm<br>TWA: 85 mg/m <sup>3</sup>     | TWA: 10 ppm<br>TWA: 85 mg/m <sup>3</sup>                                                    | TWA: 10 ppm    |
| Ethyl alcohol<br>64-17-5                                                     | TWA: 1000 ppm<br>TWA: 1880 mg/m <sup>3</sup> | TWA: 200 ppm<br>TWA: 380 mg/m <sup>3</sup><br>STEL: 800 ppm<br>STEL: 1520 mg/m <sup>3</sup> | STEL: 1000 ppm |

| Chemical name                                                                | European Union                          | United Kingdom                                                                                 | Germany DFG                                                                                 |
|------------------------------------------------------------------------------|-----------------------------------------|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Silicic acid (H <sub>4</sub> SiO <sub>4</sub> ), tetraethyl ester<br>78-10-4 | TWA: 44 mg/m <sup>3</sup><br>TWA: 5 ppm | TWA: 5 ppm<br>TWA: 44 mg/m <sup>3</sup><br>STEL: 15 ppm<br>STEL: 132 mg/m <sup>3</sup>         | TWA: 10 ppm<br>TWA: 86 mg/m <sup>3</sup><br>Peak: 10 ppm<br>Peak: 86 mg/m <sup>3</sup>      |
| Ethyl alcohol<br>64-17-5                                                     | -                                       | TWA: 1000 ppm<br>TWA: 1920 mg/m <sup>3</sup><br>STEL: 3000 ppm<br>STEL: 5760 mg/m <sup>3</sup> | TWA: 200 ppm<br>TWA: 380 mg/m <sup>3</sup><br>Peak: 800 ppm<br>Peak: 1520 mg/m <sup>3</sup> |

**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** Tight sealing safety goggles.

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

**Hand protection** Wear suitable 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** Translucent viscous liquid  
**Color** clear yellow red Teal  
**Odor** Sweet.  
**Odor threshold** 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> | > 211.1111 °C      | None known              |
| <b>Flash point</b>                             | > 65.5556 °C       | 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>                          | No data available  | None known              |
| <b>Relative vapor density</b>                  | No data available  | None known              |
| <b>Relative density</b>                        | 1.0 - 1.1          | 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>                     | No data available  | None known              |
| <b>Dynamic viscosity</b>                       | < 100 centipoise   | 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 Yes.

### Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

### Conditions to avoid

Conditions to avoid Heat, flames and sparks. Excessive heat.

### Incompatible materials

Incompatible materials None known based on information supplied.

### Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

## Section 11: Toxicological information

### Information on likely routes of exposure

#### Product Information

Inhalation Specific test data for the substance or mixture is not available. Harmful by inhalation. (based on components).

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 Coughing and/ or wheezing.

Acute toxicity Harmful by inhalation.

### Numerical measures of toxicity - Product Information

The following ATE values have been calculated for the mixture

ATEmix (oral) 4,552.70 mg/kg

ATEmix (dermal) 3,652.50 mg/kg

ATEmix (inhalation-dust/mist) 1.764 mg/l

Unknown acute toxicity

**Component Information**

| Chemical name                                                     | Oral LD50            | Dermal LD50             | Inhalation LC50                                      |
|-------------------------------------------------------------------|----------------------|-------------------------|------------------------------------------------------|
| Silicic acid (H <sub>4</sub> SiO <sub>4</sub> ), tetraethyl ester | = 6270 mg/kg ( Rat ) | = 5878 mg/kg ( Rabbit ) | = 10 mg/L ( Rat ) 4 h<br>> 16.8 mg/L ( Rat ) 4 h     |
| Ethyl alcohol                                                     | = 7060 mg/kg ( Rat ) | -                       | = 116.9 mg/L ( Rat ) 4 h<br>= 133.8 mg/L ( 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**

**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.

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

| Chemical name           | Australia | European Union | IARC    |
|-------------------------|-----------|----------------|---------|
| Ethyl alcohol - 64-17-5 | -         | -              | Group 1 |

**Legend**

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

**Section 12: Ecological information****Ecotoxicity****Aquatic ecotoxicity**

| Chemical name                                                     | Algae/aquatic plants | Fish                                                                                                                           | Toxicity to microorganisms | Crustacea                                                                        |
|-------------------------------------------------------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------------------------------|
| Silicic acid (H <sub>4</sub> SiO <sub>4</sub> ), tetraethyl ester | -                    | LC50: >245mg/L (96h, Danio rerio)                                                                                              | -                          | -                                                                                |
| Ethyl alcohol                                                     | -                    | LC50: 12.0 - 16.0mL/L (96h, Oncorhynchus mykiss)<br>LC50: >100mg/L (96h, Pimephales promelas)<br>LC50: 13400 - 15100mg/L (96h, | -                          | LC50: 9268 - 14221mg/L (48h, Daphnia magna)<br>EC50: =2mg/L (48h, Daphnia magna) |

|  |  |                      |  |  |
|--|--|----------------------|--|--|
|  |  | Pimephales promelas) |  |  |
|--|--|----------------------|--|--|

**Terrestrial ecotoxicity**

| Chemical name | Earthworm                                                                                 | Avian | Honeybees |
|---------------|-------------------------------------------------------------------------------------------|-------|-----------|
| Ethyl alcohol | Acute Toxicity: LC50 0.1 - 1 mg/cm2 (Eisenia foetida 48 h filter paper)<br>Source: IUCLID | -     | -         |

**Persistence and degradability**

**Persistence and degradability** No information available.

**Bioaccumulative potential****Bioaccumulation****Component Information**

| Chemical name | Partition coefficient |
|---------------|-----------------------|
| Ethyl alcohol | -0.35                 |

**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)**

| Chemical name                                                               | Australian Industrial Chemicals Introduction Scheme (AICIS) | Additional information |
|-----------------------------------------------------------------------------|-------------------------------------------------------------|------------------------|
| Silicic acid (H <sub>4</sub> SiO <sub>4</sub> ), tetraethyl ester - 78-10-4 | Contact supplier for inventory compliance status Present    | -                      |
| Ethyl alcohol - 64-17-5                                                     | Present                                                     | -                      |

**Illicit Drug Precursors/Reagents**

This product contains one or more substance(s) on the Illicit Drug Precursors/Reagents list. Verify requirements related to using, handling, and storing these substances.

| Chemical name           | Illicit Drug Precursors/Reagents |
|-------------------------|----------------------------------|
| Ethyl alcohol - 64-17-5 | Category 3                       |

**Legend**

Category 3 - Chemicals and apparatus that may be used in the illicit production of drugs. Purchases from this list should alert companies or organizations to seek further indicators of any suspicious orders or enquiries. No official reporting is required for items on this list unless considered warranted.

**National pollutant inventory**

Subject to reporting requirement

| Chemical name           | National pollutant inventory     |
|-------------------------|----------------------------------|
| Ethyl alcohol - 64-17-5 | 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/NDL</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>KECL</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/NDL** - 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** 09-May-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**