

SAFETY DATA SHEET



1. Identification

Covestro LLC
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Pittsburgh, PA 15205
USA

TRANSPORTATION EMERGENCY

CALL CHEMTREC: (800) 424-9300
INTERNATIONAL: (703) 527-3887

NON-TRANSPORTATION

Emergency Phone: Call Chemtrec
Information Phone: (844) 646-0545

Product Name: SOFTCEL POLYOL VE-1800
Material Number: 87576052
Chemical Family: Polyol Blend
Use: Polyol components for the production of polyurethanes

2. Hazards Identification

GHS Classification

Eye irritation: Category 2A

GHS Label Elements

Hazard pictograms:



Signal word: Warning

Hazard statements: Causes serious eye irritation.

Precautionary statements:

Prevention:

Wash skin and face thoroughly after handling.
Wear eye and face protection.

Response:

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 attention.

3. Composition/Information on Ingredients

Hazardous Components

Material Name: SOFTCEL POLYOL VE-1800

Material Number: 87576052

Concentration	Components	CAS-No.
15 - 40%	Alcohols, C12 - C15, ethoxylated propoxylated	68551-13-3

The specific chemical identity and/or exact percentage of component(s) have been withheld as a trade secret.

4. First Aid Measures

Most Important Symptom(s)/Effect(s)

Acute: Causes serious eye irritation with symptoms of reddening, tearing, swelling, and burning.

Eye Contact

In case of contact, flush eyes with plenty of lukewarm water. Get medical attention if irritation develops.

Skin Contact

In case of skin contact, wash affected areas with soap and water. Immediately remove contaminated clothing and shoes. Get medical attention if irritation develops.

Inhalation

If inhaled, remove to fresh air. Get medical attention if irritation develops.

Ingestion

If ingested, do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

5. Firefighting Measures

Suitable Extinguishing Media: Carbon dioxide (CO₂), Dry chemical, Foam, water spray for large fires.

Unsuitable Extinguishing Media: High volume water jet

Fire Fighting Procedure

Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture.

Hazardous Decomposition Products

By Fire: Carbon Dioxide Carbon Monoxide Other hazardous decomposition products may be formed.

6. Accidental Release Measures

Spill and Leak Procedures

Cover spill with inert material (e. g., dry sand or earth) and collect for proper disposal. Use appropriate personal protective equipment during clean up. Evacuate and keep unnecessary people out of spill area.

7. Handling and Storage

Handling/Storage Precautions

Material Name: SOFTCEL POLYOL VE-1800

Material Number: 87576052

Handle in accordance with good industrial hygiene and safety practices. Wash thoroughly after handling. Keep container closed when not in use. Material is hygroscopic and may absorb small amounts of atmospheric moisture. If contamination with isocyanates is suspected, do not reseal containers. Avoid breathing dust, vapor, or mist. Avoid contact with eyes. Avoid contact with skin or clothing.

Storage Temperature

Maximum: 60 °C (140 °F)

Storage Conditions

Employee education and training in the safe use and handling of this product are required under the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Substances to Avoid

Oxidizing agents, Isocyanates

8. Exposure Controls/Personal Protection

The recommendations in this section should not be a substitute for a personal protective equipment (PPE) assessment performed by the employer as required by 29 CFR 1910 Subpart I.

Exposure Limits

Any component which is listed in section 3 and is not listed in this section does not have a known ACGIH TLV, OSHA PEL or supplier recommended occupational exposure limit.

Industrial Hygiene/Ventilation Measures

Use local and general exhaust ventilation to control levels of exposure. Thermal processing operations should be ventilated to control gases and fumes given off during processing.

Respiratory Protection

None required under normal conditions of use., During high-temperature processing and/or circumstances where decomposition is suspected, a NIOSH-approved supplied air respirator is recommended to protect against fumes and vapors.

Hand Protection

Ensure gloves remain in good condition during use and replace if any deterioration is observed.

Permeation resistant gloves., butyl-rubber, Nitrile rubber, Neoprene gloves

Eye Protection

Chemical safety goggles or safety glasses with side-shields.

Skin Protection

Wear as appropriate:, Impervious protective clothing.

Additional Protective Measures

Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees in the safe use and handling of this product.

9. Physical and Chemical Properties

State of Matter: liquid

Material Name: SOFTCEL POLYOL VE-1800

Material Number: 87576052

Appearance:	viscous
Color:	Colorless
Odor:	mild
Odor Threshold:	No Data Available
pH:	6 - 8
Melting Point:	not applicable
Boiling Point:	not applicable
Flash Point:	179 °C (354.2 °F) (Pensky-Martens closed cup, ASTM D 93)
Evaporation Rate:	No Data Available
Lower explosion limit:	No Data Available
Upper Explosion Limit:	No Data Available
Vapor Pressure:	No Data Available
Vapor Density:	No Data Available
Density:	1.025 g/cm ³ @ 20 °C (68 °F)
Relative Vapor Density:	No Data Available
Specific Gravity:	1.025 @ 20 °C (68 °F)
Solubility in Water:	Partially soluble
Partition Coefficient: n-octanol/water:	No Data Available
Auto-ignition Temperature:	No Data Available
Decomposition Temperature:	Not established
Unblocking Temperature:	No Data Available
Dynamic Viscosity:	302 mPa.s @ 25 °C (77 °F)
Kinematic Viscosity:	295 mm ² /s @ 25 °C (77 °F)
Bulk Density:	No Data Available
Molecular Weight:	1,360

10. Stability and Reactivity

Hazardous Reactions

Hazardous polymerisation does not occur.

Stability

Stable

Materials to Avoid

Oxidizing agents, Isocyanates

Conditions to Avoid

None known.

Hazardous Decomposition Products

By Fire: Carbon Dioxide; Carbon Monoxide; Other hazardous decomposition products may be formed.

11. Toxicological Information

Likely Routes of Exposure: Skin Contact
Eye Contact

Health Effects and Symptoms

Acute: Causes serious eye irritation with symptoms of reddening, tearing, swelling, and burning.

Chronic: Not expected to cause adverse chronic health effects.

Toxicity Data for: SOFTCEL POLYOL VE-1800

No data available for this product.

Please find the data available for the components.

Toxicity Data for: Alcohols, C12 - C15, ethoxylated propoxylated

Acute Oral Toxicity

LD50: > 2,000 mg/kg (rat, male/female) (OECD Test Guideline 401)
Studies of a comparable product.

Acute Inhalation Toxicity

LC50: > 71 mg/l, 1 h, dust/mist (rat, male/female)

Acute Dermal Toxicity

LD50: > 8,000 mg/kg (rabbit, male/female) (OECD Test Guideline 402)
Studies of a comparable product.

Skin Irritation

Human experience, non-irritant
Studies of a comparable product.

Eye Irritation

rabbit, OECD Test Guideline 405, irritating
Studies of a comparable product.

Sensitization

Skin sensitisation according to Magnusson/Kligmann (maximizing test):: negative (Guinea pig, OECD Test Guideline 406)

Repeated Dose Toxicity

No data available.

Mutagenicity

Genetic Toxicity in Vitro:
Ames test: negative (Metabolic Activation: with/without)
Studies of a comparable product.

Genetic Toxicity in Vivo:

No data available.

Carcinogenicity

No data available.
No data available.

Toxicity to Reproduction/Fertility

No data available.
No data available.

Developmental Toxicity/Teratogenicity

No data available.

No data available.

Carcinogenicity:

No carcinogenic substances as defined by IARC, NTP and/or OSHA

12. Ecological Information

Ecological Data for: SOFTCEL POLYOL VE-1800

The 28-day biodegradation data (OECD Test Guideline 301F) for two of the three polyol components in this product are >60% and 0%. Biodegradation data for the third polyol are not available.

Acute Toxicity to Aquatic Invertebrates

EC50: 11 mg/l (Daphnia magna (Water flea), 48 h)

Studies of a comparable product.

13. Disposal Considerations

Waste Disposal Method

Waste disposal should be in accordance with existing federal, state and local environmental control laws.

Empty Container Precautions

Recondition or dispose of empty container in accordance with governmental regulations.

14. Transportation Information

Land transport (DOT)

Non-Regulated

Sea transport (IMDG)

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains Alcohols, C12-15, ethoxylated propoxylated)
Hazard Class or Division: 9
UN number: UN3082
Packaging Group: III
Hazard Label(s): MISCELLANEOUS
Marine pollutant: Marine pollutant

Air transport (ICAO/IATA)

Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (contains Alcohols, C12-15, ethoxylated propoxylated)
Hazard Class or Division: 9
UN number: UN3082
Packaging Group: III
Hazard Label(s): MISCELLANEOUS
Marine pollutant: Marine pollutant

15. Regulatory Information

United States Federal Regulations

Material Name: SOFTCEL POLYOL VE-1800

Material Number: 87576052

US. Toxic Substances Control Act: Listed on the Active Portion of the TSCA Inventory.

No substances are subject to TSCA 12(b) export notification requirements.

US. EPA CERCLA Hazardous Substances (40 CFR 302) Components:

None

SARA Section 311/312 Hazard Categories:

Refer to hazard classification information in Section 2.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A) Components:

None

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required Components:

None

US. EPA Resource Conservation and Recovery Act (RCRA) Composite List of Hazardous Wastes and Appendix VIII Hazardous Constituents (40 CFR 261):

Under RCRA, it is the responsibility of the person who generates a solid waste, as defined in 40 CFR 261.2, to determine if that waste is a hazardous waste.

State Right-To-Know Information

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the SDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

California Prop. 65:

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at concentrations which would result in the need for a warning under the Act.

Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists:

<u>Concentration</u>	<u>Components</u>	<u>CAS-No.</u>
>=1%	Polyether Polyol	CAS# is a trade secret
15 - 40%	Alcohols, C12 - C15, ethoxylated propoxylated	68551-13-3
>=1%	Polyether Polyol	CAS# is a trade secret

Massachusetts Right to Know Extraordinarily Hazardous Substance List:

<u>Concentration</u>	<u>Components</u>	<u>CAS-No.</u>
1 - 5 ppm	Acetaldehyde	75-07-0
1 - 5 ppm	Furan	110-00-9

CFATS (Chemical Facility Anti-Terrorism Standards) Chemicals

To the best of our knowledge, this product does not contain Appendix A Chemicals of Interest (COI), at or above the Screening Threshold Quantity (STQ), as defined by the Department of Homeland Security Chemical Facility Anti-terrorism Standard (CFATS, 6 CFR Part 27).

Based on information provided by our suppliers, this product is considered "DRC Conflict Free" as defined by the SEC Conflict Minerals Final Rule (Release No. 34-67716; File No. S7-40-10; Date: 2012-08-22).

16. Other Information

The method of hazard communication for Covestro LLC is comprised of product labels and safety data sheets. Safety data sheets for all of our products and general product declarations are available for download at www.productsafetyfirst.covestro.com.

Contact: Product Safety Department
Telephone: (412) 413-2835
Version Date: 05/20/2021
SDS Version: 1.12

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