



APT Advanced Polymer Tech Corp.  
dba Synthetic Turf Resources  
421 Callahan Rd Se  
Dalton, GA 30721-4904  
USA

01/05/2021

ATTN: Safety Department

Thank you for your recent order. Enclosed is the current Safety Data Sheet (SDS) for the product(s) that you recently ordered.

Timely communication of health and safety information in an SDS is an important part of the Covestro LLC product safety program. We provide this information to our customers and encourage them to become familiar with the content of the SDS and the laws pertaining to its use in the workplace. A new SDS will be mailed to you at the time of your re-order if the attached SDS is revised. Under the OSHA hazard communication standard and some state right to know laws, certain requirements related to the SDSs must be met. Distributors receiving this information are obligated to convey a copy of the SDS to their customers and affiliates. Employers using this material in their operations must make the SDS available to all employees working with or otherwise handling this product.

If you are not already receiving our safety data sheet via e-mail, and would like to, please send your e-mail address to [ProductSafetyEMLA@covestro.com](mailto:ProductSafetyEMLA@covestro.com).

E-mail address: \_\_\_\_\_

Please enter the following number in the subject line: Client No: 0002045756

Safety data sheets for all of our products and general product declarations are available for download at [www.productsafetyfirst.covestro.com](http://www.productsafetyfirst.covestro.com).

Attachment:

Covestro LLC  
1 Covestro Circle  
Pittsburgh, PA 15205  
USA

Phone  
(844) 646-0545



# SAFETY DATA SHEET



## 1. Identification

Covestro LLC  
1 Covestro Circle  
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:** MULTRANOL 9111  
**Material Number:** 02501590  
**Use:** Polyol components for the production of polyurethanes

## 2. Hazards Identification

This product is not classified as hazardous according to OSHA HazCom 2012 (29 CFR 1910.1200).

## 3. Composition/Information on Ingredients

### Hazardous Components

There are no hazardous components above the relevant concentration limits according to OSHA HazCom 2012.

## 4. First Aid Measures

### Most Important Symptom(s)/Effect(s)

**Acute:** Not expected to cause adverse acute health effects.

### 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. Thoroughly clean shoes before reuse. Wash clothing before reuse. Get medical attention if irritation develops and persists.

### Inhalation

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Get medical attention if irritation

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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 (CO<sub>2</sub>), Dry chemical, Foam, water spray for large fires.

**Unsuitable Extinguishing Media** No Data Available

#### **Fire Fighting Procedure**

Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. Toxic and irritating gases/fumes may be given off during burning or thermal decomposition. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture.

#### **Hazardous Decomposition Products**

By Fire and Thermal Decomposition: Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke., Other undetermined compounds

### **6. Accidental Release Measures**

#### **Spill and Leak Procedures**

Dike or dam spilled material and control further spillage, if possible. Cover spill with inert material (e. g., dry sand or earth) and collect for proper disposal. Collect and place in appropriately marked sealable containers for disposal. Wash spill area with soap and water.

### **7. Handling and Storage**

#### **Handling/Storage Precautions**

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 inhalation of vapour or mist.

#### **Storage Temperature**

**Maximum:** 49 °C (120.2 °F)

#### **Storage Conditions**

Store separate from food products.

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

Country specific exposure limits have not been established or are not applicable

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.

### Respiratory Protection

None required under normal conditions of use.

### Hand Protection

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

Permeation resistant gloves., Butyl rubber gloves., Nitrile rubber gloves., Neoprene gloves

### Eye Protection

Safety glasses with side-shields

### Skin Protection

No special skin protection requirements during normal handling and use.

### 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

|                                |                      |
|--------------------------------|----------------------|
| <b>State of Matter:</b>        | liquid               |
| <b>Color:</b>                  | Colorless, Opaque    |
| <b>Odor:</b>                   | slight               |
| <b>Odor Threshold:</b>         | No Data Available    |
| <b>pH:</b>                     | No Data Available    |
| <b>Freezing Point:</b>         | No Data Available    |
| <b>Boiling Point:</b>          | No Data Available    |
| <b>Flash Point:</b>            | 232 °C (449.6 °F)    |
| <b>Evaporation Rate:</b>       | No Data Available    |
| <b>Lower explosion limit:</b>  | No Data Available    |
| <b>Upper Explosion Limit:</b>  | No Data Available    |
| <b>Vapor Pressure:</b>         | Not Established      |
| <b>Vapor Density:</b>          | No Data Available    |
| <b>Density:</b>                | No Data Available    |
| <b>Relative Vapor Density:</b> | No Data Available    |
| <b>Specific Gravity:</b>       | 1.03 @ 25 °C (77 °F) |
| <b>Solubility in Water:</b>    | soluble              |

|                                                |                                 |
|------------------------------------------------|---------------------------------|
| <b>Partition Coefficient: n-octanol/water:</b> | No Data Available               |
| <b>Auto-ignition Temperature:</b>              | No Data Available               |
| <b>Decomposition Temperature:</b>              | Not established                 |
| <b>Dynamic Viscosity:</b>                      | 720 - 920 mPa.s @ 25 °C (77 °F) |
| <b>Kinematic Viscosity:</b>                    | No Data Available               |
| <b>Bulk Density:</b>                           | 1,029 kg/m <sup>3</sup>         |
| <b>Molecular Weight:</b>                       | 4,000                           |
| <b>Hygroscopicity:</b>                         | hygroscopic                     |

## 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 and Thermal Decomposition: Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke., Other undetermined compounds

## 11. Toxicological Information

**Likely Routes of Exposure:** Skin Contact  
Eye Contact

### Health Effects and Symptoms

**Acute:** Not expected to cause adverse acute health effects.

**Chronic:** Not expected to cause adverse chronic health effects.

### Toxicity Data for: MULTRANOL 9111

No data available for this product.

### Carcinogenicity:

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

## 12. Ecological Information

### Ecological Data for: MULTRANOL 9111

No data available for this 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. Empty containers retain product residue; observe all precautions for product. Do not heat or cut container with electric or gas torch.

### 14. Transportation Information

#### **Land transport (DOT)**

Non-Regulated

#### **Sea transport (IMDG)**

Non-Regulated

#### **Air transport (ICAO/IATA)**

Non-Regulated

### 15. Regulatory Information

#### **United States Federal Regulations**

**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.

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

| <u>Concentration</u> | <u>Components</u> | <u>CAS-No.</u> |
|----------------------|-------------------|----------------|
| >=1%                 | Polyether Polyol  | 9003-11-6      |

**California Proposition 65 List:**

None.

**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](http://www.productsafetyfirst.covestro.com).

|               |                           |
|---------------|---------------------------|
| Contact:      | Product Safety Department |
| Telephone:    | (412) 413-2835            |
| Version Date: | 03/06/2020                |
| SDS Version:  | 2.5                       |

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|| Changes since the last version are highlighted in the margin. This version replaces all previous versions.