

## AV-201 Primer™ Part A

### SECTION 1. IDENTIFICATION

|   |   |
|---|---|
| <b>Product Identifier</b>               | AV-201 Primer Part A  |
| <b>Other Means of Identification</b>    | Primer  |
| <b>Recommended Use</b>                  | Industrial Use Only.  |
| <b>Restrictions on Use</b>              | None known.   |
| <b>Manufacturer/Supplier Identifier</b> | Avanti International, 822 Bay Star Blvd, Webster, TX, 77598, USA, 281.486.5600, avantigrout.com |
| <b>Emergency Phone No.</b>              | ChemTrec, 800.424.9300  |
| <b>Date of Preparation</b>              | April 30, 2018  |

### SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015) and the US Hazard Communication Standard (HCS 2012).

#### Classification

Acute toxicity (Oral) - Category 4; Skin irritation - Category 2; Respiratory sensitization - Category 1; Skin sensitization - Category 1; Specific target organ toxicity (single exposure) - Category 3

#### Label Elements



Signal Word:

Warning

Hazard Statement(s):

|      |  |
|------|--|
| H302 | Harmful if swallowed.  |
| H315 | Causes skin irritation.  |
| H317 | May cause an allergic skin reaction.                                       |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| H335 | May cause respiratory irritation.  |
| H336 | May cause drowsiness or dizziness.   |

Precautionary Statement(s):

Prevention:

|      |   |
|------|---|
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray.   |
| P264 | Wash hands and skin thoroughly after handling.  |
| P270 | Do not eat, drink or smoke when using this product.   |
| P273 | Avoid release to the environment.   |
| P280 | Wear protective gloves.   |
| P284 | In case of inadequate ventilation wear respiratory protection (NIOSH approved air-purifying respirator with an organic vapour cartridge). |

Response:

|             |  |
|-------------|--|
| P302 + P352 | IF ON SKIN: Wash with plenty of water. |
|-------------|--|

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|                        |                               |
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P332 + P313 If skin irritation occurs: Get medical advice or attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.

Disposal:  
P501 Dispose of contents and container in accordance with local, regional, national and international regulations.

#### Other Hazards

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name   | CAS No.    | %  | Other Identifiers    | Other Names |
|---|------------|----|----------------------|-------------|
| Oxirane, methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1), polymer with 1, 1'-methylenebis[4-isocyanatobenzene] | 59675-67-1 | 75 | Prepolymer           |             |
| Hydrotreated kerosene   | 64742-47-8 | 10 | Petroleum distillate |             |
| Ethylene glycol monobutyl ether acetate   | 112-07-2   | 10 | Acetate              |             |

### SECTION 4. FIRST-AID MEASURES

#### First-aid Measures

##### Inhalation

Remove source of exposure or move to fresh air.

##### Skin Contact

Avoid direct contact. Wear chemical protective clothing if necessary. Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes.

##### Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

##### Ingestion

Rinse mouth with water.

##### First-aid Comments

Get medical advice or attention if you feel unwell or are concerned.

#### Most Important Symptoms and Effects, Acute and Delayed

Can cause severe irritation of the nose and throat. May cause mild irritation.

#### Immediate Medical Attention and Special Treatment

##### Target Organs

Skin, respiratory system.

##### Special Instructions

Not applicable.

##### Medical Conditions Aggravated by Exposure

None known.

### SECTION 5. FIRE-FIGHTING MEASURES

#### Extinguishing Media

##### Suitable Extinguishing Media

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Use water to keep non-leaking, fire-exposed containers cool.

#### Unsuitable Extinguishing Media

None known.

#### Specific Hazards Arising from the Product

Can ignite if strongly heated.

Very toxic carbon monoxide, carbon dioxide.

#### Special Protective Equipment and Precautions for Fire-fighters

Knock down vapours or gases with water fog or fine water spray.

Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

#### Personal Precautions, Protective Equipment, and Emergency Procedures

Do not touch damaged containers or spilled product unless wearing appropriate protective equipment.

#### Environmental Precautions

If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas. Do not allow into any sewer, on the ground or into any waterway. It is good practice to prevent releases into the environment.

#### Methods and Materials for Containment and Cleaning Up

Stop or reduce leak if safe to do so. Place used absorbent into suitable, covered, labelled containers for disposal.

Contaminated absorbent poses the same hazard as the spilled product. Dike spilled product to prevent runoff. Remove or recover liquid using pumps or vacuum equipment. Store recovered product in suitable containers that are: covered.

#### Other Information

Contact supplier, local fire and emergency services for help.

## SECTION 7. HANDLING AND STORAGE

#### Precautions for Safe Handling

Prevent skin contact. Do not get in eyes. Avoid generating vapours or mists. Avoid release to the environment.

Immediately report leaks, spills or failures of the safety equipment (e.g. ventilation system). Wear personal protective equipment to avoid direct contact with this chemical. General hygiene considerations: it is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely.

#### Conditions for Safe Storage

Store in an area that is: well-ventilated.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control Parameters

| Chemical Name                           | ACGIH TLV®           |      | OSHA PEL |         | AIHA WEEL |     |
|---|----------------------|------|----------|---------|-----------|-----|
|   | TWA                  | STEL | TWA      | Ceiling | 8-hr TWA  | TWA |
| Hydrotreated kerosene                   | 200 mg/m3<br>Skin A3 |      |          |         |           |     |
| Ethylene glycol monobutyl ether acetate | 20 ppm               |      |          |         |           |     |

#### Appropriate Engineering Controls

General ventilation is usually adequate. Provide eyewash and safety shower if contact or splash hazard exists.

#### Individual Protection Measures

##### Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

##### Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

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Suitable materials are: Chemical Resistant Gloves: natural rubber, butyl rubber, neoprene rubber, nitrile rubber, polyvinyl chloride, Viton®/butyl rubber.

#### **Respiratory Protection**

Not normally required if product is used as directed.

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

### **Basic Physical and Chemical Properties**

|   |  |
|---|--|
| <b>Appearance</b>                                       | Amber liquid.  |
| <b>Odour</b>  | Musty  |
| <b>Odour Threshold</b>                                  | Not available  |
| <b>pH</b>   | Not available  |
| <b>Melting Point/Freezing Point</b>                     | 32 °F (0 °C) (estimated) (melting); Not available (freezing) |
| <b>Initial Boiling Point/Range</b>                      | 406 °F (208 °C) (estimated)                                  |
| <b>Flash Point</b>                                      | 390 °F (199 °C)  |
| <b>Evaporation Rate</b>                                 | Not available  |
| <b>Flammability (solid, gas)</b>                        | Not available  |
| <b>Upper/Lower Flammability or Explosive Limit</b>      | Not available (upper); Not available (lower)                 |
| <b>Vapour Pressure</b>                                  | Not available  |
| <b>Vapour Density (air = 1)</b>                         | Not available  |
| <b>Relative Density (water = 1)</b>                     | 1.18   |
| <b>Solubility</b>                                       | Not available in water; Not available (in other liquids)     |
| <b>Partition Coefficient, n-Octanol/Water (Log Kow)</b> | Not available  |
| <b>Auto-ignition Temperature</b>                        | Not available  |
| <b>Decomposition Temperature</b>                        | Not available  |
| <b>Viscosity</b>  | 50 centipoises (dynamic)                                     |
| <b>Other Information</b>                                |  |
| <b>Physical State</b>                                   | Liquid   |

## **SECTION 10. STABILITY AND REACTIVITY**

### **Reactivity**

None known.

### **Chemical Stability**

Normally stable.

### **Possibility of Hazardous Reactions**

None known.

### **Conditions to Avoid**

Sunlight. High temperatures. Open flames, sparks, static discharge, heat and other ignition sources. Incompatible materials.

### **Incompatible Materials**

Alcohols (e.g. ethanol), alkanolamines (e.g. triethanolamine), amines (e.g. triethylamine), glycol ethers (e.g. 2-butoxyethanol), glycols (e.g. ethylene glycol), strong bases (e.g. sodium hydroxide), water.

Corrosive to: aluminum alloys, copper, copper alloys (e.g. brass and/or bronze).

### **Hazardous Decomposition Products**

Very toxic carbon monoxide, carbon dioxide; extremely hazardous hydrogen cyanide; corrosive, oxidizing nitrogen oxides.

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## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Ingestion; inhalation; skin absorption.

### Acute Toxicity

| Chemical Name                           | LC50                               | LD50 (oral)        | LD50 (dermal)         |
|---|------------------------------------|--------------------|-----------------------|
| Hydrotreated kerosene                   | > 5.2 mg/L (rat) (4-hour exposure) | > 5000 mg/kg (rat) | > 2000 mg/kg (rabbit) |
| Ethylene glycol monobutyl ether acetate |                                    | 1600 mg/kg (rat)   | 1480 mg/kg (rabbit)   |

### Skin Corrosion/Irritation

Animal tests show moderate or severe irritation.

### Serious Eye Damage/Irritation

Animal tests show mild irritation.

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

May cause nose and throat irritation. Symptoms may include redness, rash, swelling and itching.

#### Skin Absorption

No information was located.

#### Ingestion

May be harmful based on animal tests.

### Aspiration Hazard

Death can result.

### STOT (Specific Target Organ Toxicity) - Repeated Exposure

No information was located.

### Respiratory and/or Skin Sensitization

No information was located.

### Carcinogenicity

| Chemical Name         | IARC    | ACGIH® | NTP | OSHA |
|-----------------------|---------|--------|-----|------|
| Hydrotreated kerosene | Group 3 | A3     |     |      |

May cause cancer based on animal studies.

### Reproductive Toxicity

#### Development of Offspring

No information was located.

#### Sexual Function and Fertility

No information was located.

#### Effects on or via Lactation

No information was located.

### Germ Cell Mutagenicity

No information was located.

### Interactive Effects

No information was located.

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Harmful, with long lasting effects to aquatic life, based on acute toxicity tests.

### Acute Aquatic Toxicity

| Chemical Name                           | LC50 Fish  | EC50 Crustacea                                | ErC50 Aquatic Plants | ErC50 Algae |
|---|--|---|----------------------|-------------|
| Hydrotreated kerosene                   | 2.2 mg/L (Lepomis macrochirus (bluegill); 96-hour; static) |   |                      |             |
| Ethylene glycol monobutyl ether acetate |  | 37 mg/L (Daphnia magna (water flea); 48-hour) |                      |             |

### Persistence and Degradability

Does not degrade rapidly based on quantitative tests.

### Bioaccumulative Potential

Fish Bioconcentration Factor: 61-159. (Hydrotreated kerosene)

### Mobility in Soil

No information was located.

### Other Adverse Effects

There is no information available.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

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

## SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.

**Environmental Hazards** Potential Marine Pollutant

### Hazards

**Special Precautions** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

## SECTION 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations

#### Canada

**Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)**

All ingredients are listed on the DSL or are not required to be listed.

#### USA

**Toxic Substances Control Act (TSCA) Section 8(b)**

All ingredients are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.

## SECTION 16. OTHER INFORMATION

**NFPA Rating** Health - 2 Flammability - 1 Instability - 0

**SDS Prepared By** Avanti International

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**Revision Indicators** Not applicable.  
**Key to Abbreviations** ACGIH® = American Conference of Governmental Industrial Hygienists  
IARC = International Agency for Research on Cancer  
NFPA = National Fire Protection Association NIOSH = National Institute for Occupational Safety and Health  
NTP = National Toxicology Program  
OSHA = US Occupational Safety and Health Administration  
RTECS® = Registry of Toxic Effects of Chemical Substances

**References** CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS). HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS). NIOSH Pocket Guide database. National Institute for Occupational Safety and Health. Available from Canadian Centre for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational Health and Safety (CCOHS).