SAFETY DATA SHEET

1. Identification

Covestro LLC
1 Covestro Circle
Pittsburgh, PA  15205
USA

Product Name: BAYSEAL OC X
Material Number: 84323896
Chemical Family: Polyol System
Use: Polyol components for the production of polyurethanes

2. Hazards Identification

GHS Classification
Acute toxicity (Dermal): Category 4
Skin corrosion: Category 1A
Serious eye damage: Category 1

GHS Label Elements
Hazard pictograms:

Signal word: Danger

Hazard statements: Harmful in contact with skin. Causes severe skin burns and eye damage.

Precautionary statements: Prevention:
Wash skin and face thoroughly after handling. Wear permeation resistant protective gloves and clothing. 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. Immediately call a doctor or emergency medical facility (i.e., 911).
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a doctor or emergency medical facility (i.e., 911).
IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Get immediate medical attention. IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. Take off contaminated clothing and wash before reuse. **Storage:** Store locked up. **Disposal:** Dispose of contents and container in accordance with existing federal, state, and local environmental control laws.

### 3. Composition/Information on Ingredients

#### Hazardous Components

<table>
<thead>
<tr>
<th>Weight Percent</th>
<th>Components</th>
<th>CAS-No.</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 - 30%</td>
<td>Tris-(2-chloroisopropyl)-phosphate</td>
<td>13674-84-5</td>
<td>Acute toxicity Category 4 Oral. Eye irritation Category 2B.</td>
</tr>
<tr>
<td>10 - 30%</td>
<td>Halogenated polyether polyol</td>
<td>CAS# is a trade secret</td>
<td>Acute toxicity Category 4 Oral. Eye irritation Category 2A.</td>
</tr>
<tr>
<td>5 - 10%</td>
<td>Tertiary Amine</td>
<td>CAS# is a trade secret</td>
<td>Acute toxicity Category 4 Oral. Acute toxicity Category 3 Dermal. Skin corrosion Category 1A. Serious eye damage Category 1.</td>
</tr>
<tr>
<td>1 - 5%</td>
<td>Tertiary Amine</td>
<td>CAS# is a trade secret</td>
<td>Acute toxicity Category 4 Dermal. Skin corrosion Category 1A. Serious eye damage Category 1.</td>
</tr>
<tr>
<td>1 - 5%</td>
<td>Alkyl Amine</td>
<td>CAS# is a trade secret</td>
<td>Acute toxicity Category 4 Oral. Skin corrosion Category 1A. Serious eye damage Category 1.</td>
</tr>
<tr>
<td>1 - 5%</td>
<td>Alkanolamine</td>
<td>CAS# is a trade secret</td>
<td>Acute toxicity Category 4 Oral. Skin irritation Category 2. Serious eye damage Category 1.</td>
</tr>
<tr>
<td>1 - 5%</td>
<td>Phosphoric Acid Ester</td>
<td>CAS# is a trade secret</td>
<td>Acute toxicity Category 4 Oral. Eye irritation Category 2A.</td>
</tr>
</tbody>
</table>

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 damage with symptoms of eye burns, corneal injury, and possible blindness.
Causes severe skin burns with symptoms of necrosis and possible scarring.

**Eye Contact**
In case of contact, flush eyes with plenty of water for at least 15 minutes. Call a physician immediately.

**Skin Contact**
In case of skin contact, wash affected areas with soap and water. Immediately remove contaminated clothing and shoes. Get medical attention.

**Inhalation**
If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

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

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### 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 and Thermal Decomposition: Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), dense black smoke, Hydrogen chloride gas, hydrogen bromide, Oxides of phosphorus, Other hazardous decomposition products may be formed.

**Unusual Fire/Explosion Hazards**
The reaction of this product with polymeric MDI ("A" side) will release heat (e.g., it is an exothermic reaction). Thus, spraying foam too thickly in a single lift, or not allowing sufficient time between lifts, can result in excessive heat generation to the point where the foam may char, smolder or burn. Refer to the appropriate technical datasheet for application instructions.

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### 6. Accidental Release Measures

**Spill and Leak Procedures**
Evacuate and keep unnecessary people out of spill area. Remove ignition sources. Notify management. Put on protective equipment. Control source of the leak. Ventilate. Contain the spill. Cover spill with inert material (e.g., dry sand or earth) and collect for proper disposal.

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### 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. Do not get
on skin or clothing. Do not get in eyes. Do not breathe vapours or spray mist.

**Storage Period:**
6 Months

**Storage Temperature**
Minimum: 10 °C (50 °F)
Maximum: 27 °C (80.6 °F)

**Storage Conditions**
Store materials between 50°F to 80°F (10°C to 27°C) in a dry and well ventilated area. The transit temperature range is 32°F to 100°F (0°C to 38°C). Mix material well before using.

**Substances to Avoid**
Oxidizing agents, Isocyanates

### 8. Exposure Controls/Personal Protection

**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**
When handling this product, ventilation of the work area is recommended.

**Respiratory Protection**
When this product is sprayed in combination with polymeric MDI ("A" side), a full-face or hood-type supplied air respirator operated in the positive pressure or continuous flow mode is required. For exterior spray applications where the use of supplied air respiratory protection may create a safety hazard (e.g., roof applications), an air purifying respirator with combination organic vapor/particulate (P100) cartridges may be substituted for a supplied air respirator. When handling the liquid product, particularly if heated or in a confined area, an air purifying respirator with combination organic vapor/particulate (P100) cartridges is recommended. The respiratory protection selected must comply with the requirements set forth in OSHA's Respiratory Protection Standard (29 CFR 1910.134). When APRs are used, (a) the cartridges must be equipped with end-of-service life indicators (ESLI) certified by NIOSH, or (b) a change out schedule, based on objective information or data that will ensure that the cartridges are changed out before the end of their service life, must be developed and implemented. The basis for the change out schedule must be described in the written respirator program.

**Hand Protection**
When this product is sprayed in combination with polymeric MDI ("A" side), fabric gloves coated in nitrile, neoprene, butyl or PVC are recommended. When handling liquid product, nitrile, neoprene, butyl or PVC gloves are recommended.

**Eye Protection**
When this product is sprayed in combination with polymeric MDI ("A" side), eye protection will be provided by the full-face or hood-type air supplied respirator as mentioned above in the respiratory protection section. When handling liquid product, chemical safety goggles or safety glasses with side-shields are required.

**Skin Protection**
When this product is sprayed in combination with polymeric MDI ("A" side), a disposable full body suit (e.g., Tyvek, Kleenguard, etc.) with attached hood and disposable over-boots are required. When handling liquid product, wear cloth work clothing including long pants and long-sleeved shirts. If the potential for splash to the body exists, impermeable protective clothing is recommended.

**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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>State of Matter</td>
<td>liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Yellow to amber</td>
</tr>
<tr>
<td>Odor</td>
<td>amine-like</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No Data Available</td>
</tr>
<tr>
<td>pH</td>
<td>11.1</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Setting Point</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Melting Point</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>&gt; 108 °C (226.4 °F)</td>
</tr>
<tr>
<td>Flash Point</td>
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</tr>
<tr>
<td>Evaporation Rate</td>
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</tr>
<tr>
<td>Lower explosion limit</td>
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<td>Upper Explosion Limit</td>
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</tr>
<tr>
<td>Vapor Pressure</td>
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</tr>
<tr>
<td>Vapor Density</td>
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<tr>
<td>Density</td>
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<tr>
<td>Relative Vapor Density</td>
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<tr>
<td>Specific Gravity</td>
<td>1.25 @ 20 °C (68 °F)</td>
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<tr>
<td>Solubility in Water</td>
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<tr>
<td>Partition Coefficient: n-octanol/water:</td>
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<tr>
<td>Auto-ignition Temperature</td>
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</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Dynamic Viscosity</td>
<td>&lt;= 550 mPa.s</td>
</tr>
<tr>
<td>Kinematic Viscosity</td>
<td>No Data Available</td>
</tr>
</tbody>
</table>

### 10. Stability and Reactivity

**Hazardous Reactions**
Hazardous polymerisation does not occur. The reaction of this product with polymeric MDI ("A" side) will release heat (e.g., it is an exothermic reaction). Thus, spraying foam too thickly in a single lift, or not allowing sufficient time between lifts, can result in excessive heat generation to the point where the foam may char, smolder or burn. Refer to the appropriate technical datasheet for application instructions.

**Stability**
Stable

**Materials to Avoid**
Oxidizing agents, Isocyanates

**Hazardous Decomposition Products**
By Fire and Thermal Decomposition: Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), dense black smoke., Hydrogen chloride gas, hydrogen bromide, Oxides of phosphorus, Other
hazardous decomposition products may be formed.

11. Toxicological Information

Likely Routes of Exposure:
- Inhalation
- Eye Contact
- Skin Contact

Health Effects and Symptoms
**Acute:** Causes serious eye damage with symptoms of eye burns, corneal injury, and possible blindness. Causes severe skin burns with symptoms of necrosis and possible scarring.

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

Toxicity Data for: BAYSEAL OC X

**Acute Oral Toxicity**
Acute toxicity estimate: 2371 mg/kg (Calculation method)

**Acute Dermal Toxicity**
Acute toxicity estimate: 1492 mg/kg (Calculation method)

Toxicity Data for: Tris-(2-chloroisopropyl)-phosphate

**Acute Oral Toxicity**
LD50: >= 1150 mg/kg (rat)

**Acute Inhalation Toxicity**
LC50: > 7.14 mg/l, 4 h, dust/mist (rat, male/female)

**Skin Irritation**
human skin, Patch Test, Non-irritating

**Eye Irritation**
rabbit, OECD Test Guideline 405, Exposure Time: 24 h, Slightly irritating

**Sensitization**
dermal: non-sensitizer (Guinea pig, Maximization Test)
dermal: non-sensitizer (Human, Patch Test)

**Repeated Dose Toxicity**
90 Days, oral: NOAEL: 36 mg/kg, (Rat, male)

13 weeks, oral: NOAEL: 2500 ppm, LOAEL: 800 ppm, (Rat, male, daily)

**Mutagenicity**
Genetic Toxicity in Vitro:
Ames: negative (Salmonella typhimurium, Metabolic Activation: with/without)
Positive and negative results were reported.
Mammalian cell - gene mutation assay: positive (Mouse lymphoma cells (L5178Y/TK), Metabolic Activation: with)
Positive and negative results were reported.
Genetic Toxicity in Vivo:
Micronucleus test: negative (Mouse, male/female, intraperitoneal)
negative

Toxicity to Reproduction/Fertility
Other method, inhalation, daily, (rat, male) Reproductive effects have been observed in animal studies. Two-generation study, (feeding study) oral, daily, (rat, male/female) NOAEL (parental): 85 mg/kg,

Developmental Toxicity/Teratogenicity
rat, female, oral, gestation, daily, NOAEL (teratogenicity): > 1%, NOAEL (maternal): > 1% No Teratogenic effects observed at doses tested.
No fetotoxicity observed at doses tested. rat, female, oral, gestation, NOAEL (teratogenicity): 1,000 mg/kg, NOAEL (maternal): 1,000 mg/kg,

Toxicity Data for: Halogenated polyether polyol

Acute Oral Toxicity
LD50: 1337 mg/kg (rat)

Acute Inhalation Toxicity
LC50: > 5.47 mg/l, 4 h, dust/mist

Skin Irritation
rabbit, OECD Test Guideline 404, non-irritant

Eye Irritation
rabbit, irritating

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

Repeated Dose Toxicity
28 d, Inhalative: NOAEL: 300, (rat, male/female, 6 hours a day, 5 days a week)

28 d, Inhalative: LOAEL: 950, (rat, male/female, 6 hours a day, 5 days a week)

Mutagenicity
Genetic Toxicity in Vitro:
Ames test: positive (Metabolic Activation: with/without)
In vitro mammalian cell gene mutation test: positive (Metabolic Activation: with/without)

Genetic Toxicity in Vivo:
In vivo micronucleus test: negative (Mouse, )
negative

Unscheduled DNA synthesis (UDS): negative (rat, )
negative

Toxicity Data for: Tertiary Amine

Acute Oral Toxicity
LD50: 1290 mg/kg (rat)

Acute Dermal Toxicity
LD50: 260.71 mg/kg (rabbit)

**Skin Irritation**
rabbit, Corrosive

**Eye Irritation**
OECD Test Guideline 405, Corrosive

**Sensitization**
Skin sensitisation according to Magnusson/Kligmann (maximizing test):: negative (OECD Test Guideline 406)

**Mutagenicity**
Genetic Toxicity in Vitro:
Ames test: negative

**Toxicity Data for: Tertiary Amine**

**Acute Oral Toxicity**
LD50: 2337 mg/kg (rat)

**Acute Dermal Toxicity**
LD50: 1349 mg/kg (rabbit)
assuming density = 0.957 g/cm3

**Skin Irritation**
rabbit, Draize, Corrosive

**Eye Irritation**
rabbit, Corrosive

**Repeated Dose Toxicity**
2 weeks, Inhalation: NOAEL: 11.5 mg/m3, LOAEL: 107 mg/m3, (rat, male, 6 hrs/day 5 days/week)

**Toxicity Data for: Alkyl Amine**

**Acute Oral Toxicity**
LD50: 620 mg/kg (rat)

**Acute Dermal Toxicity**
LD50: > 2000 mg/kg (rat) (OECD Test Guideline 402)

**Skin Irritation**
Corrosive

**Eye Irritation**
Corrosive

**Toxicity Data for: Alkanolamine**

**Acute Oral Toxicity**
LD50: 1360 mg/kg (rat)

**Acute Dermal Toxicity**
LD50: 5700 mg/kg (rabbit)
Skin Irritation
rabbit, Draize, Severely irritating

Eye Irritation
rabbit, Draize, Severely irritating

Sensitization
Buehler Test: non-sensitizer (Guinea pig)

Toxicity Data for: Phosphoric Acid Ester

Acute Oral Toxicity
LD50: 1370 mg/kg (Mouse)

Acute Inhalation Toxicity
LC50: > 8.817 mg/l, 4 h, dust/mist (rat, male/female) (OECD Test Guideline 403)

Acute Dermal Toxicity
LD50: > 21400 mg/kg (Guinea pig)

Skin Irritation
rabbit, OECD Test Guideline 404, Exposure Time: 4 h, non-irritant

Eye Irritation
rabbit, OECD Test Guideline 405, Moderately irritating

Sensitization
Skin sensitization (local lymph node assay (LLNA)): negative (Mouse, OECD Test Guideline 429)

Repeated Dose Toxicity
16 Days, inhalation: NOAEL: 366 mg/m3, (rat, )
28 Days, oral: NOAEL: 1,000 mg/kg, (Rat, Male/Female, daily)
28 Days, oral: NOAEL: 1,000 mg/kg, (Rat, Male/Female, daily)

Mutagenicity
Genetic Toxicity in Vitro:
Ames: negative (Salmonella typhimurium, Metabolic Activation: with/without)
Positive and negative results were seen in various in vitro studies.
Unscheduled DNA synthesis: negative (rat hepatocytes, Metabolic Activation: with)
Positive and negative results were seen in various in vitro studies.
Mammalian cell - gene mutation assay: negative (Chinese hamster fibroblasts, Metabolic Activation: with/without)
Positive and negative results were seen in various in vitro studies.

Genetic Toxicity in Vivo:
Drosophila SLRL test: positive (Drosophila melanogaster, ) positive
Dominant Lethal Assay: negative (Mouse, male, intraperitoneal)
Positive and negative results were seen in various in vivo studies.

Toxicity to Reproduction/Fertility
One generation study, oral, (Rat, Male/Female) NOAEL (parental): 1 %, NOAEL (F2): 0.5 % Reproductive
Effects have been observed in animal studies.

**Developmental Toxicity/Teratogenicity**
Rat, Female, oral, gestation, daily, NOAEL (teratogenicity): 625 mg/kg, NOAEL (maternal): 125 mg/kg,
Rat, Female, oral, 6-15 p.c., daily, NOAEL (teratogenicity): 625 mg/kg, NOAEL (maternal): 125 mg/kg.

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

**12. Ecological Information**

**Ecological Data for: BAYSEAL OC X**
No data available for this product.

**Ecological Data for Tris-(2-chloroisopropyl)-phosphate**

**Biodegradation**
Aerobic, 0 %, Exposure time: 28 Days, Not readily biodegradable.

**Bioaccumulation**
Cyprinus carpio (Carp), Exposure time: 42 Days, ca. 0.8 - 2.8 BCF

**Acute and Prolonged Toxicity to Fish**
LC50: ca. 84 mg/l (Bluegill (Lepomis macrochirus), 96 h)

LC50: 51 mg/l (Fathead minnow (Pimephales promelas), 96 h)

LC50: 30 mg/l (Guppy (Poecilia reticulata), 96 h)

**Acute Toxicity to Aquatic Invertebrates**
EC50: ca. 131 mg/l (Water flea (Daphnia magna), 48 h)

**Toxicity to Aquatic Plants**
EC50: 45 mg/l, End Point: biomass (Green algae (Scenedesmus subspicatus), 72 h)

EC50: 41 - 55 mg/l, End Point: biomass (Green algae (Selenastrum capricornutum), 96 h)

**Toxicity to Microorganisms**
EC50: 295 mg/l, (Photobacterium phosphoreum, 30 min)

EC50: 784 mg/l, (Activated sludge microorganisms, 3 h)

**Ecological Data for Tertiary Amine**

**Biodegradation**
71.2 %, Exposure time: 28 d, i.e. readily biodegradable

**Acute Toxicity to Aquatic Invertebrates**
EC50: 24 mg/l (Daphnia magna (Water flea), 48 h)

**Toxicity to Aquatic Plants**
ErC50: 35 mg/l, (algae, 72 h)

**Toxicity to Microorganisms**
EC50: > 1,000 mg/l, (activated sludge, 72 h)
Ecological Data for Tertiary Amine  
Acute and Prolonged Toxicity to Fish  
LC50: 320 mg/l (Leuciscus idus (Golden orfe), 96 h)  

Ecological Data for Alkyl Amine  
Biodegradation  
80.4 %, Exposure time: 28 Days  

Biochemical Oxygen Demand (BOD)  
91 mg/g  
28 Days, 263 mg/g  

Chemical Oxygen Demand (COD)  
327 mg/g  

Acute and Prolonged Toxicity to Fish  
LC50: 1.7 mg/l (Rainbow (Donaldson)Trout (Oncorhynchus mykiss), 96 h)  

Acute Toxicity to Aquatic Invertebrates  
NOEC: 20 mg/l (Ceriodaphnia sp, 7 h)  

Ecological Data for Alkanolamine  
Biodegradation  
Not readily biodegradable.  

Acute and Prolonged Toxicity to Fish  
LC50: > 320 mg/l (fish (pisces), 96 h)  

Acute Toxicity to Aquatic Invertebrates  
EC50: 72 mg/l (Daphnia magna (Water flea), 48 h)  

Toxicity to Aquatic Plants  
ErC50: 69.3 mg/l, (Desmodesmus subspicatus (Green algae), 72 h)  

Ecological Data for Phosphoric Acid Ester  
Biodegradation  
Aerobic, 97 %, Exposure time: 28 Days  

Chemical Oxygen Demand (COD)  
1,550 mg/g  

Bioaccumulation  
Cyprinus carpio (Carp), Exposure time: 42 Days, 0.5 - 0.8 BCF  

Acute and Prolonged Toxicity to Fish  
LC50: 1,070 mg/l (Fathead minnow (Pimephales promelas), 96 h)  

Acute Toxicity to Aquatic Invertebrates  
EC50: 350 mg/l (Water flea (Daphnia magna), 48 h)  

Toxicity to Aquatic Plants  
EC50: 900.8 mg/l, End Point: biomass (Green algae (Scenedesmus subspicatus), 72 h)  

Toxicity to Microorganisms
EC0: 10,000 mg/l, (Pseudomonas fluorescens, 18 h)
EC10: 2,985 mg/l, (Pseudomonas putida, 30 min)

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)
Non-Regulated

Air transport (ICAO/IATA)
Non-Regulated

15. Regulatory Information

United States Federal Regulations
US. Toxic Substances Control Act: Listed on the TSCA Inventory.
No substances are subject to TSCA 12(b) export notification requirements.

US. EPA CERCLA Hazardous Substances (40 CFR 302) Components:
None

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

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:

<table>
<thead>
<tr>
<th>Weight percent</th>
<th>Components</th>
<th>CAS-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;=1%</td>
<td>Polyether Polyol</td>
<td>CAS# is a trade secret</td>
</tr>
<tr>
<td>15 - 25%</td>
<td>Tris-(2-chloroisopropyl)-phosphate</td>
<td>13674-84-5</td>
</tr>
<tr>
<td>&gt;=1%</td>
<td>Water</td>
<td>7732-18-5</td>
</tr>
<tr>
<td>10 - 30%</td>
<td>Halogenated polyether polyol</td>
<td>CAS# is a trade secret</td>
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<tr>
<td>&gt;=1%</td>
<td>Organic Compound</td>
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<tr>
<td>5 - 10%</td>
<td>Tertiary Amine</td>
<td>CAS# is a trade secret</td>
</tr>
<tr>
<td>1 - 5%</td>
<td>Tertiary Amine</td>
<td>CAS# is a trade secret</td>
</tr>
<tr>
<td>1 - 5%</td>
<td>Alkyl Amine</td>
<td>CAS# is a trade secret</td>
</tr>
<tr>
<td>1 - 5%</td>
<td>Alkanolamine</td>
<td>CAS# is a trade secret</td>
</tr>
<tr>
<td>1 - 5%</td>
<td>Phosphoric Acid Ester</td>
<td>CAS# is a trade secret</td>
</tr>
</tbody>
</table>

### California Prop. 65:

To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.

### 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.productsaftyfirst.covestro.com.

Contact: Product Safety Department  
Telephone: (412) 413-2835  
SDS Number: 112000056642  
Version Date: 02/17/2016  
SDS Version: 2.2

This information is furnished without warranty, express or implied. This information is believed to be accurate to the best knowledge of Covestro LLC. The information in this SDS relates only to the specific material designated herein. Covestro LLC assumes no legal responsibility for use of or reliance upon the information in this SDS.

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