

## Safety Data Sheet

### Section 1. Identification

**GHS product Identifier** : Airlok Flex® 200 VOC  
**Other means of identification** : Not available

**Relevant identified used of the substance or mixtures and uses advised against**

Aromatic & aliphatic hydrocarbon adhesive

**Supplier's details** Polyguard Products, Inc.  
3801 South Interstate 45  
Ennis, TX 75119  
Tel: (800) 541-4994

**Emergency telephone number)  
with hours of operation)** CHEMTREC, US 1-800-424-9300 International 1-703-527-3887  
(24/7)

### Section 2. Hazards Identification

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazardous Communications Standard (49CFR1910.1200).

**Classification of the substance or mixture** : Flammable liquid- Category 3  
: Skin Corrosion/Irritation- Category 2  
: Serious Eye Damage/Eye irritation- Category 2 B  
: Carcinogenicity- Category 1  
: Specific target organ toxicity (single exposure) (respiratory tract irritation) – Category 3

**GHS label elements**  
**Hazard pictogram**



**Signal word** : Danger

**Hazard statement** : Flammable liquid and vapor  
: Causes skin and eye irritation  
: May cause cancer.  
: May cause respiratory irritation.

**Precautionary statements**  
**Prevention**

: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wear eye and face protection. Keep away from heat, sparks, open flames and hot surfaces. – No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Do not breathe vapor. Wash hands thoroughly after handling.

## Section 2. Hazards Identification

<b>Response</b>	: If exposed or concerned: Get medical attention if you feel unwell. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. If skin irritation occurs: Get medical attention. 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. If SWALLOWED: Immediately call a POISON CENTER or physician. DO NOT induce vomiting.
<b>Storage</b>	Store in a well-ventilated place. Keep cool.
<b>Disposal</b>	Dispose of contents and container in accordance with all local, regional, national and international regulations.
<b>Hazards not otherwise classified</b>	: None known

## Section 3. Composition/Information on Ingredients

<b>Substance/Mixture</b>	: Mixture
<b>Other means of identification</b>	: Not available
<b>CAS number/other identifiers</b>	
<b>CAS number</b>	: Not applicable
<b>Product code</b>	: Not applicable

<b>Ingredient name</b>	<b>%</b>	<b>CAS Number</b>
Benzene, 1- chloro-4 (trifluoromethyl)-	30-60	98-56-6
Benzene, ethenyl-,polymer with 1,3 butadiene, hydrogenated	5-10	66070-58-4
Xylene	10-30	1330-20-7
Amorphorous Silicate based glass (hollow glass microspheres)	10-30	65997-17-3
Titanium Dioxide	1-5	13463-67-7
Ethylbenzene	1-5	100-41-4
N-Methyl- 2- pyrrolidone	0.1-1	872-50-4
Quartz	0.1-1	14808-60-7

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentration applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First Aid Measures

### Description of necessary first aid measures.

<b>Eye contact</b>	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.
<b>Inhalation</b>	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposure person may need to be kept under medical surveillance for 48 hours.
<b>Skin contact</b>	: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 20 minutes. Get medical attention.

## Section 4. First Aid Measures

**Ingestion** : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personal. If vomiting occurs, the head should be kept low so that the vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.

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

#### **Potential acute health effects**

**Eye contact** : Causes serious eye irritation.

**Inhalation** : Can cause respiratory irritation. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

**Skin contact** : Causes skin irritation.

**Ingestion** : Irritating to mouth, throat and stomach.

#### **Over-exposure signs/symptoms**

**Eye contact** : Adverse symptoms may include the following:  
Pain or irritation,  
Watering,  
Redness.

**Inhalation** : Adverse symptoms may include the following:  
Respiratory tract irritation  
coughing

**Skin contact** : Adverse symptoms may include the following:  
Irritation  
Redness

**Ingestion** : No known significant effects or critical hazards.

### **Indication of immediate medical attention and special treatment needed, if necessary.**

**Notes to physician:** : In cases of inhalation of decomposition products in a fire, symptoms may be delayed. The exposure person may need to be kept under medical surveillance for 48 hours.

**Specific treatments** : No specific treatment

**Protection of first-aiders:** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing the aid to give mouth to mouth resuscitation.

See toxicological information (Section 11)

## Section 5. Fire-fighting Measures

### **Extinguishing media**

**Suitable extinguishing media** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

**Unsuitable extinguishing media** : Do not use water- jet or water based fire extinguishers.

**Specific hazards arising from the chemical** : Highly flammable liquid and vapor. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back.

## Section 5. Fire-fighting Measures

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
Carbon Dioxide  
Carbon Monoxide  
Halogenated compounds  
Carbonyl halides
- Special protective equipment** : Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
- Special protective actions for fire fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-face piece operated in a positive pressure mode.

## Section 6. Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures.

- For non emergency personal** : Evacuate surrounding area. Keep unnecessary and unprotected personnel from entering. Shut off all ignition sources. No flares, smoking, or flames in hazard areas. Avoid breathing vapor or mist. Provide adequate ventilation.  
Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental precautions** : Avoid disposal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, or air).

### Methods and materials for containment and cleaning up

- Spill** : Stop leak if without risk. Move container from spill area. Use spark -proof tools and explosion proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements, or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and Storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure-obtain special instructions before use. Do not handle until safety precautions have been read and understood. Do not get in eyes or on the skin or clothing. Do not breathe vapor or mist. Do not swallow. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage area or confined spaces unless adequately ventilated. Keep in original container or an approved alternative made from compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flames and any other ignition source. Use explosion-proof electrical (ventilation, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

## Section 7. Handling and Storage

### Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See section 8 for additional information on hygiene measures.

### Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in segregated and approved area. Store in original container protected from direct sunlight in a dry cool and well-ventilated area away from incompatible materials (see section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready to use. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure Controls/Personal Protection

### Control parameters

### Occupational exposure limits

<b>Ingredient name</b>	<b>Exposure limits</b>
<b>Xylene</b>	<p><b>ACGIH TLV (United States, 3/2012)</b>                      STEL: 651 mg/m<sup>3</sup> 15 minutes                      STEL: 150 ppm 15 minutes                      TWA: 434 mg/m<sup>3</sup> 8 hrs                      TWA: 100 ppm 8 hrs.</p> <p><b>OSHA PEL (United States, 6/2010)</b>                      TWA: 100 ppm 8 hrs.                      TWA: 434 mg/m<sup>3</sup> 8 hrs</p>
<b>Amorphorous Silicate based glass (hollow glass microspheres)</b>	<p><b>NIOSH REL (United States, 6/2009)</b>                      TWA: 3 f/cc 10 hours. Form: Fibers of spec length                      TWA: 5 mg/m<sup>3</sup> for 10 hours Form: total dust                      TWA: 5 mg/m<sup>3</sup> for 10 hours Form: fiber, total fraction</p> <p><b>ACGIH TLV (United States, 3/2012)</b>                      TWA: 5 mg/m<sup>3</sup> for 8 hours Form: total dust                      TWA: 1 f/cc 8 hours. Form: Respirable fibers</p>
<b>Titanium Dioxide</b>	<p><b>OSHA PEL (United States, 6/2010)</b>                      TWA: 15 mg/m<sup>3</sup> 8 hrs. Form: total dust</p> <p><b>ACGIH TLV (United States, 3/2012)</b>                      TWA: 10 mg/m<sup>3</sup> 8 hrs.</p>
<b>Ethyl Benzene</b>	<p><b>ACGIH TLV (United States, 3/2012)</b>                      TWA: 20 ppm 8 hrs</p> <p><b>NIOSH REL (United States, 6/2009)</b>                      STEL: 545 mg/m<sup>3</sup> for 15 minutes                      STEL: 125 ppm for 15 minutes                      TWA: 435 mg/m<sup>3</sup> for 10 hours                      TWA: 100 ppm for 10 hrs</p> <p><b>OSHA PEL (United States, 6/2010)</b>                      TWA: 435 mg/m<sup>3</sup> for 8 hours                      TWA: 100 ppm for 8 hrs</p>
<b>N-Methyl-2-pyrrolidone</b>	<p><b>AIHA WEEL (United States,10/2011). Absorbed through skin</b>                      TWA: 10 ppm for 8 hrs</p>
<b>Quartz</b>	<p><b>OSHA PEL Z3 (United States, 9/2005)</b>                      TWA:250 mppcf 8 hours. Form respirable                      TWA: 10 mg/m<sup>3</sup> 8 hrs. Form: respirable                      TWA: 10 mg/m<sup>3</sup> 8 hrs. Form: total dust</p> <p><b>OSHA PEL (United States, 3/1989)</b>                      TWA: 0.1 mg/m<sup>3</sup> (as quartz) 8 hrs. Form: respirable dust</p> <p><b>ACGIH TLV (United States, 3/2012)</b>                      TWA: 0.025 mg/m<sup>3</sup> 8 hrs. Form: respirable fraction</p> <p><b>NIOSH REL (United States, 6/2009)</b>                      TWA: 0.05 mg/m<sup>3</sup> for 10 hours Form: respirable dust</p>

## Section 8. Exposure Controls/Personal Protection

<b>Appropriate engineering controls</b>	: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
<b>Environmental exposure controls</b>	: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.
<b><u>Individual protection measures</u></b>	
<b>Hygiene measure:</b>	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking, and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the work station location.
<b>Eye/face protection</b>	: Safety eyewear complying with an approved standard should be used when risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases and dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: Chemical splash goggles.
<b><u>Skin Protection</u></b>	
<b>Hand protection</b>	: Chemical- resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
<b>Body protection</b>	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
<b>Other skin protection</b>	: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
<b>Respiratory protection</b>	: Use a properly fitted, air purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## Section 9. Physical and Chemical Properties

<b><u>Appearance</u></b>	
<b>Physical state</b>	: Liquid
<b>Color</b>	: Gray to black.
<b>Odor</b>	: Paint like
<b>Odor threshold</b>	: Not available
<b>pH</b>	: Not applicable
<b>Melting point</b>	: Not applicable
<b>Boiling point</b>	: 135° C (275° F)
<b>Flash Point</b>	: Closed cup: 27° C (80.6° F) [Setaflash]
<b>Burning time</b>	: Not determined
<b>Burning rate</b>	: Not determined
<b>Evaporation rate:</b>	: <1 (ether(anhydrous)=1)
<b>Flammability (solid, gas)</b>	: Not available
<b>Lower &amp; upper explosive (flammable) limits</b>	: Lower: 1% : Upper: 7 %

## Section 9. Physical and Chemical Properties

Vapor density	: >1 [Air=1]
Vapor pressure	: Not available
Relative density	: 0.9
Solubility	: insoluble
Auto- ignition temperature	: Not available
Decomposition temperature	: Not available
SADT	: Not available
Viscosity	: 9,000- 12,000 cps
VOC	: 200 g/l

## Section 10. Stability and reactivity

<b>Reactivity</b>	: No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	: This product is stable.
<b>Possibility of hazardous reactions</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
<b>Conditions to avoid:</b>	: Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.
<b>Incompatible materials</b>	: Reactive or incompatible with the following materials: Oxidizing materials.
<b>Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological Information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Benzene, 1 chloro-4 (trifluoromethyl)-	LC50 Dermal	Rabbit	>2.7 g/kg	-
	LD50 Oral	Rat	13 g/kg	-
Xylene	LC50 Inhalation Gas	Rat	5000 ppm	4 hours
	LD50 Oral	Rat	4300 mg/kg	-
Ethylbenzene	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	3500 mg/kg	-
N-Methyl-2-pyrrolidone	LD50 Dermal	Rabbit	8 g/kg	-
	LD50 Oral	Rat	3914 mg/kg	-

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Xylene	Eyes- Mild irritant	Rabbit	-	87 mg	-
	Eyes- Severe irritant	Rabbit	-	24 hours 5 mg	-
	Skin- Mild irritant	Rat	-	8 hours 60 µL	-
	Skin- Moderate irritant	Rabbit	-	24 hours 500 mg	-
	Skin- Mild irritant	Rabbit	-	100 %	-
Titanium Dioxide	Skin- Mild irritant	Human	-	72 hours 300 µg Intermittent	-
Ethylbenzene	Eyes- Severe irritant	Rabbit	-	500 mg	-
	Skin- Mild irritant	Rabbit	-	24 hours 15 mg	-
N-Methyl-2-pyrrolidone	Skin- Moderate irritant	Rabbit	-	100 mg	-

## Section 11. Toxicological Information

### Sensitization

**Skin** : There is no data available

**Respiratory** : There is no data available

**Mutagenicity** : There is no data available

**Carcinogenicity** : There is no data available

### Classification

Product/ingredient name	OSHA	IARC	NTP
Xylene	-	3	-
Amorphorous Silicate based glass (hollow glass microspheres)	-	3	-
Titanium Dioxide	-	2 B	-
Ethylbenzene	-	2 B	-
Quartz	-	1	Known to be a human carcinogen

**Reproductive toxicity** : There is no data available

**Teratogenicity** : There is no data available

### Specific target organ toxicity (single exposure)

Name	Category	Route of Exposure	Target organs
Benzene, 1-chloro-4(trifluoromethyl)-	Category 3	Not applicable	Respiratory Tract irritation
N-Methyl-2-pyrrolidone	Category 3	Not applicable	Respiratory Tract irritation

### Specific target organ toxicity (repeated exposure)

Name	Category	Route of Exposure	Target organs
Quartz	Category 1	Not determined	Kidneys, respiratory tract and testes.

### Aspiration hazard

There is no data available

**Information on the likely routes of exposure** : Routes of entry anticipated: Oral, dermal, inhalation.

### Potential acute health effects

**Eye contact** : Causes serious eye irritation.

**Inhalation** : May cause respiratory irritation. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

**Skin contact** : Causes skin irritation.

**Ingestion** : Irritating to mouth, throat and stomach.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : Adverse symptoms may include the following:  
Pain or irritation,  
Watering,  
Redness.

**Inhalation** : Adverse symptoms may include the following:  
Respiratory tract irritation  
coughing

**Skin contact** : Adverse symptoms may include the following:  
Irritation  
Redness

**Ingestion** : No significant effects or critical hazards.



## Section 11. Toxicological Information

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** : No known significant effects or critical hazards

**Potential delayed effects** : No known significant effects or critical hazards

#### Long term exposure

**Potential immediate effects** : No known significant effects or critical hazards

**Potential delayed effects** : No known significant effects or critical hazards

#### Potential chronic health effects

**General** : No known significant effects or critical hazards

**Carcinogenicity** : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

**Mutagenicity** : No known significant effects or critical hazards

**Teratogenicity** : No known significant effects or critical hazards

**Developmental effects** : No known significant effects or critical hazards

**Fertility effects** : No known significant effects or critical hazards.

**Target organs** : Contains material which may cause damage to the following organs: blood, kidneys, lungs, the nervous system, gastrointestinal tract, cardiovascular system, liver, upper respiratory tract, skin, central nervous system (CNS), ears, eye, lens, or cornea.

**Mutagenicity** : No known significant effects or critical hazards

### Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE Value
Oral	25888.8 mg/kg
Dermal	7965.3 mg/kg
Inhalation (gases)	36206 ppm
Inhalation (vapors)	482.7 mg/L

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
Benzene, 1- chloro-4-(trifluoromethyl)-	IC50 500 mg/l	Aquatic plants	72 hours
	LC50 12 mg/l	Fish	96 hours
Xylene	Acute IC50 10mg/l	Algae	72 hours
	Acute LC50 12500 µg/l Marine water	Crustaceans-Palaemonetes pugio	48 hours
	Acute LC50 13400 µg/l Fresh water	Fish-Pimephales promelas	96 hours
Titanium Dioxide	Acute EC50 5.83 mg/l Fresh water	Algae-Pseudokirchneriella Subcapitata- experimental growth phase.	72 hours
	Acute LC50 3 mg/l Fresh water	Crustaceans- Ceriodaphnia dubia	48 hours
	Acute LC50 5.5 ppm Fresh water	Daphnia-Daphnia magna-Juvenile (Fledging, Hatching, Weanling)	48 hours
	Acute LC50 0.984 mg/l Fresh water	Algae-Pseudokirchneriella subcapitata	72 hours
	Chronic NOEC 500000µg/l Fresh water	Algae-Pseudokirchneriella Subcapitata- experimental growth phase.	96 hours
Ethylbenzene	Acute EC50 4600 µg/l Fresh water	Algae-Pseudokirchneriella Subcapitata	72 hours
	Acute EC50 3600 µg/l Fresh water	Algae-Pseudokirchneriella Subcapitata	96 hours
	Acute EC50 2970 µg/l Fresh water	Daphnia-Daphnia magna-Neonate	48 hours
	Acute LC50 5200 µg/l Marine water	Crustaceans- Americamysis bahia	48 hours
	Acute LC50 42000 µg/l Fresh water	Fish-Oncorhynchus mykiss	96 hours
	Chronic NOEC 1000µg/l Fresh water	Algae-Pseudokirchneriella subcapitata	96 hours
N-Methyl-2-pyrrolidone	Acute LC50 1.23 ppm Fresh water	Daphnia-Daphnia magna	48 hours

## Section 12. Ecological Information

**Persistence and degradability**  
**Bioaccumulative potential**

: There is no data available

Product/ingredient name	LogPow	BCF	Potential
Benzene, 1- chloro-4-(trifluoromethyl)-	3.7	-	Low
Xylene	3.16	-	Low
Ethyl Benzene	3.1	-	Low
N-Methyl-2-pyrrolidone	-0.38	-	Low

**Mobility in soil**

**Soil/water partition coefficient (Koc)**

: There is no data available.

**Other adverse effects**

: No known significant effects or critical hazards

## Section 13. Disposal Considerations




**Disposal methods**

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recycled products via a licensed waste disposal contractor. Waste should not be disposed of to a sewer. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, water ways, drains and sewers.

**United States- RCRA Toxic hazardous waste “U” List**

Ingredient	CAS#	Status	Reference number
Xylene	1330-20-7	Listed	U239

## Section 14. Transportation Information

	DOT Classification	IMDG	IATA
<b>UN Number</b>	UN 1866	UN 1866	UN 1866
<b>UN Proper Shipping Name</b>	Resin Solution, Flammable (Xylene), RQ (Xylene)	Resin Solution, Flammable (Xylene)	Resin Solution, Flammable, (Xylene)
<b>Transportation hazard class(es)</b>	3 	3 	3 
<b>Packing Group</b>	III	III	III
<b>Environmental Hazard</b>	No	No	No
<b>Additional Information</b>	<b>Reportable Quantities</b> 724.12 lbs/328.75 kg (86.847 gal) Packages sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.	<b>Emergency Schedule (Ems) F-E, S-E</b>	

## Section 14. Transportation Information

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transportation in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : **Not available**

## Section 15. Regulatory Information

**U.S. Federal regulations:** TSCA 4(a) **final test rules:** Benzene, 1-chloro-4-(trifluoromethyl)-  
TSCA 8(a) **PAIR:** Benzene, 1-chloro-4-(trifluoromethyl)-, 2-Methoxy-1-methylethyl acetate.  
TSCA 8(a) **CDR Exempt/Partial exemption:** Not determined  
TSCA 12(b) **one-time export:** Benzene, 1-chloro-4-(trifluoromethyl)-  
**United States inventory (TSCA 8 b):** Not determined

**Clean Water Act(CWA) 307** : Ethylbenzene  
**Clean Water Act(CWA) 311** : Xylene, Ethylbenzene, Phosphoric acid  
**Clean Air Act Section 112 (b)** : Listed  
**Hazardous air pollutants (HAPs)**

**Clean Air Act (CAA) Section 602 Class I Substances** : Not listed  
**Clean Air Act (CAA) Section 602 Class II Substances** : Not listed  
**DEA List I Chemicals (Precursor chemicals)** : Not listed  
**DEA List II Chemicals (Essential Chemicals)** : Not listed  
**SARA 302/304**

**Composition/information on ingredients** : No products found  
**SARA 304 RQ** : Not applicable  
**SARA 311/312**

**Classification** : Fire Hazard,  
Immediate (acute) health hazard,  
Delayed (chronic) health.

### Composition/information on ingredients

Name	%	Fire Hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed(chronic) health hazard
Benzene, 1- chloro-4-(trifluoromethyl)-	30-60	Yes	No	No	Yes	No
Xylene	10-30	Yes	No	No	Yes	No
Amorphorous Silicate based glass ( hollow glass microspheres)	10-30	No	No	No	No	Yes
Titanium Dioxide	1-5	No	No	No	No	Yes
Ethyl Benzene	1-5	Yes	No	No	Yes	Yes
N-Methyl-2-pyrrolidone	0.1-1	No	No	No	Yes	Yes
Quartz	0.1-1	No	No	No	No	Yes

### SARA 313

	Product name	CAS Number	%
<b>Form R-reporting requirements</b>	Xylene	1330-20-7	10-30
	Ethylbenzene	100-41-4	1-5
<b>Supplier notification</b>	Xylene	1330-20-7	10-30
	Ethylbenzene	100-41-4	1-5

## Section 15. Regulatory Information

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS.

### State regulations

#### **Massachusetts**

: The following components are listed: Xylene, Ethylbenzene, Titanium Dioxide, Amorphorous Silicate based glass (hollow glass microspheres)

#### **New York**

: The following components are listed: Xylene, Ethylbenzene

#### **New Jersey**

: The following components are listed: Xylene, Ethylbenzene, Titanium Dioxide, Quartz

#### **Pennsylvania**

: The following components are listed: Xylene, Ethylbenzene, Titanium Dioxide, Quartz

### California Prop.65

**Warning:** This product contains a chemical known to the State of California to cause cancer.

**Warning:** This product contains less than 1% of a chemical known to the State of California to cause birth defects or other reproductive harm.

<b>Ingredient name</b>	<b>Cancer</b>	<b>Reproductive</b>	<b>No significant risk level</b>	<b>Maximum acceptable dosage level.</b>
Titanium Dioxide	Yes	No	No	No
Ethyl Benzene	Yes	No	41 µg/day (ingestion) 54 µg/day (inhalation)	No
N-Methyl-2-pyrrolidone	No	Yes	No	3200 µg/day (inhalation)
Quartz	Yes	No	No	No
Carbon Black	Yes	No	No	No

### International regulations

#### **International lists**

: Australia inventory (AICS): Not determined

: China inventory (IECSC): All components are listed or exempted.

: Japan inventory: Not determined

: Korea inventory: All components are listed or exempted.

: Philippines inventory (PICCS): All components are listed or exempted.

: New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.

#### **Chemical Weapons Convention**

: Not listed

#### **List schedule I Chemicals**

#### **Chemical Weapons Convention**

: Not listed

#### **List schedule II Chemicals**

#### **Chemical Weapons Convention**

: Not listed

#### **List schedule III Chemicals**

## 16. Other information

### **Hazardous Material Information System (USA)**

#### **Health -2**

#### **Flammability-3**

#### **Physical hazards-0**

Caution: HMIS® rating are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with fully implemented HMIS® program. HMIS® is a registered trademark of the National Paint & Coating Association (NPCA). HMIS® materials may be purchased exclusively from J.J. Keller.

The customer is responsible for determining the PPE code for this material.

### **National Fire Protection Association (USA) NFPA 704**

#### **Health -2**

#### **Flammability-3**

#### **Instability-0**

NFPA-704 was copyrighted by the National Fire Protection Association of Quincy, MA. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactive hazards of chemicals. The user is referred to certain limited number of with recommended classifications in NFPA 49 and NFPA 325, which would be used as guidelines only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

## 16. Other information

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Date of previous issue	01/28/2015
Revisions:	Removed Proban®
Version	3
Prepared by	C. Rogalski

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