



## SOLVENT 101

### SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

**GHS product identifier:** SOLVENT 101

**Relevant identified uses of the substance or mixture:** Solvent

**Recommended use of the chemical and restrictions on use:** N/A

**Supplier's details:** VANBERG SPECIALIZED COATINGS  
10705 COTTONWOOD ST.  
LENEXA, KS 66215  
INFORMATION PHONE NUMBER: 913-599-5939

**Emergency phone number:** 1-800-255-3924

### SECTION 2 – HAZARDS IDENTIFICATION

**Classification of the substance or mixture:**

Flammable Liquids- Category 3, Acute toxicity, dermal – Category 4, Acute toxicity, inhalation – Category 4 Skin corrosion/irritation – Category 2, Serious eye damage / eye irritation – Category 2B, Carcinogenicity – Category 2, Specific target organ toxicity (single exposure) - Category 3, Narcotic effects., Specific target organ toxicity (repeated exposure) – Category 2, Aspiration hazard – Category 1, Acute aquatic toxicity – Category 2, Chronic aquatic toxicity – Category 2

**GHS label elements:**



**Signal Word**

Danger

**Hazard Statements**

Flammable liquid and vapor.  
Harmful in contact with skin or if inhaled.  
Causes eye irritation.  
Causes skin irritation.  
May be fatal if swallowed and enters airways.  
Suspected of causing cancer.  
May cause drowsiness and dizziness.  
May cause damage to organs through prolonged or repeated exposure.  
Toxic to aquatic life with long lasting effects.

**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.  
Keep away from heat/sparks/open flames/hot surfaces- No smoking.  
Keep container tightly closed.  
Ground/bond container and receiving equipment.  
Use explosion-proof electrical/ventilating/lighting/equipment.  
Use only non-sparking tools.

Take precautionary measures against static discharge.  
Use in well-ventilated area.  
Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Wear protective gloves/protective clothing/eye protection/face protection  
Avoid breathing mist/vapors/spray.  
Avoid release to the environment.

**Precautionary Statements – Response**

In case of fire: Consider carbon dioxide, dry chemical, dry sand or alcohol resistant foam to extinguish.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Get medical attention if irritation occurs  
IF ON SKIN: Take off contaminated clothing and wash before reuse. Wash with plenty of soap and water. If irritation occurs get medical advice/attention.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call POISON CENTER/doctor if you feel unwell.  
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
Rinse mouth.  
IF EXPOSED OR CONCERNED: Get medical advice/attention.

**Precautionary Statements – Storage**

Store in a well-ventilated place, keep container tightly closed. Keep cool.

**Precautionary Statements – Disposal**

Dispose of contents/container to an approved waste treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal

**SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS**

**Mixtures:**

Hazardous Components (Chemical Name)	CAS #	Concentration
Xylene	1330-20-7	70-90%
Ethyl benzene	100-41-4	10-30%

**SECTION 4 – FIRST AID MEASURES**

**Description of necessary first-aid measures:**

**Inhalation:**

Remove to fresh air. If breathing stops, provide artificial respiration. If symptoms persist, call a physician.

**Eye Contact:**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Get medical attention if irritation persists.

**Ingestion:**

Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

**Skin Contact:**

Remove contaminated clothing, wash skin with plenty of water. If skin irritation persists, call a physician.

**Most Important Symptoms and Effects, both Acute and Delayed**

**Symptoms**

May cause skin and eye irritation.  
May cause dizziness or drowsiness.

**Indication of any Immediate Medical Attention and Special Treatment Needed**

**Note to Physicians:**

Treat symptomatically. Symptoms may be delayed.

## SECTION 5 – FIRE FIGHTING MEASURES

### Suitable extinguishing media:

Alcohol resistant foam, dry chemical or carbon dioxide.

### Unsuitable Extinguishing Media:

High volume water jet.

### Specific Hazards Arising from the Chemical

Carbon oxides

### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, NIOSH approved and full protective gear.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

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

#### Personal Precautions:

Use personal protective equipment as required. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe area.

#### Methods and Material for Containment and Cleaning Up

##### Methods for Containment:

Eliminate all ignition sources. Prevent further leakage or spillage if safe to do so. Prevent discharge to open bodies of water, municipal sewers, and watercourses.

##### Methods for Cleaning Up:

Use non-combustible material like vermiculite, sand or earth to soak up the product and place into a suitable container for later disposal. Following product recovery, flush area with water. Scrub area with detergent and water.

## SECTION 7 – HANDLING AND STORAGE

### Precautions for Safe Handling

#### Advice on Safe Handling:

Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

#### Conditions for Safe Storage, Including any Incompatibilities

##### Storage Conditions:

Keep containers tightly closed in a dry, cool and well-ventilated place.

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Hazardous Components (Chemical Name)	CAS #	ACGIH TLV	OSHA PEL	NIOSH
Xylene	1330-20-7	TWA: 100 ppm STEL: 150 ppm	TWA: 100 ppm 435 mg/m <sup>3</sup>	TWA: 100 ppm 435 mg/m <sup>3</sup> STEL: 150 ppm 655 mg/m <sup>3</sup>
Ethyl benzene	100-41-4	TWA: 20 ppm	TWA: 100 ppm 435 mg/m <sup>3</sup>	TWA: 125 ppm 435 mg/m <sup>3</sup> STEL: 545 mg/m <sup>3</sup>

### Appropriate Engineering Controls

#### Engineering Controls:

Provide adequate ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

#### Individual Protection Measures, such as Personal Protective Equipment

##### Eye/Face Protection:

Wear approved chemical safety goggles/face shield where a splash hazard exists. Eyewash station is recommended.

##### Skin and Body Protection:

Wear suitable protective clothing.

**Respiratory Protection:**

Ensure adequate ventilation, especially in confined areas.

**General Hygiene Considerations:**

Handle in accordance with good industrial hygiene and safety practice.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State:** Liquid

**Color:** Colorless

**Property Values**

**pH:** No data available

**Melting Point/Freezing Point:** -26.15 °C ( -15.07 °F)

**Boiling Point/Boiling Range:** 138.3 o C (281 o F)

**Flash Point:** 26.9 - 31.9 °C (80.3 - 89.3 °F) TCC

**Evaporation Rate:** 0.8 (Butyl acetate = 1)

**Flammability:** (Solid, Gas) n/a-liquid

**Upper Flammable Limits:** 7%

**Lower Flammable Limits:** 1%

**Vapor Pressure:** No data available

**Vapor Density:** 3.7

**Specific Gravity:** 0.90

**Water Solubility:** Very slightly soluble.

**Solubility in Other Solvents:** No data available

**Partition Coefficient:** No data available

**Autoignition Temperature:** No data available

**Decomposition Temperature:** No data available

**Kinematic Viscosity:** No data available

**Dynamic Viscosity:** No data available

**Explosive Properties:** Not an Explosive

**Oxidizing Properties:** No data available

**Odor:** Aromatic. Benzene like

**Odor Threshold:** No data available

**SECTION 10 - STABILITY AND REACTIVITY****Reactivity:**

Not reactive under normal conditions.

**Chemical Stability:**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions:**

Hazardous polymerization does not occur.

**Conditions to Avoid:**

Heat, sparks, flames, incompatible materials.

**Incompatible Materials:**

Strong oxidizing agents, reducing agents, acids, alkalis.

**Hazardous Decomposition Products:**

Carbon dioxide, carbon monoxide and/or low weight hydrocarbons.

**SECTION 11 – TOXICOLOGICAL INFORMATION****Likely routes of exposure:****Inhalation:**

Harmful if inhaled. May cause drowsiness or dizziness.

**Eye Contact:**

Causes eye irritation

**Skin Contact:**

Harmful in contact with skin. Causes skin irritation.

This product as a whole has not been tested for acute toxicity; the following is based on component data:

**Numerical measures of toxicity:**

INGREDIENT NAME	CAS #	ORAL LD50	DERMAL LD50	INHALATION LC50
Xylene	1330-20-7	10 ml/kg (rat)	>5000 mg/kg (Rabbit)	5922 ppm 4 h(Rat)
Ethyl benzene	100-41-4	3.5 g/kg (rat)	>5000 mg/kg (Rabbit)	4000 ppm (Rat)

INGREDIENT NAME	Xylene	Ethyl benzene
Skin corrosion/irritation	Skin irritation	Skin irritation
Serious eye damage/irritation	eye irritation	eye irritation
Respiratory or skin sensitization	Not classified	Not classified
Mutagenicity	Not classified	Not classified
Carcinogenicity	Not classifiable as to humans.	2B possible carcinogen to humans.
Reproductive toxicity	Not classified	Not classified
Specific target organ toxicity-Single exposure	Central nervous system Inhalation may cause drowsiness or dizziness	Central nervous system Inhalation may cause drowsiness or dizziness
Specific target organ toxicity-repeated exposure	May cause damage to organs through prolonged or repeated exposure.	Not classified
Aspiration hazard	May be fatal if swallowed and enters airways.	May be fatal if swallowed and enters airways.

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure**

**Carcinogenicity:**

This product does contain carcinogens or potential carcinogens as listed by OSHA, IARC or NTP. Ethyl benzene.

**Numerical Measures of Toxicity:**

Not determined

**SECTION 12 – ECOLOGICAL INFORMATION**

**Ecotoxicity**

There is no data available for this product as a whole.

INGREDIENT NAME	CAS #	Algae/aquatic plants	Fish	Aquatic invertebrates
Xylene	1330-20-7	No data available	LC50 - Oncorhynchus mykiss (rainbow trout) – 8 mg/l - 96 h	No data available
Ethyl benzene	100-41-4	No data available	LC50 Rainbow trout,donaldson trout 4 mg/l, 96 hours (Oncorhynchus mykiss)	EC50 Water flea (Daphnia magna) 1 - 4 mg/l, 48 hours

**Persistence and Degradability:**

No data available

**Bioaccumulation:**

No data available

**Mobility:**

No data available

**SECTION 13 – DISPOSAL CONSIDERATIONS****Disposal methods:**

Dispose of material in accordance with all Federal, State and local regulations. Local regulations may be more stringent than Federal or State. Avoid discharge to sewers or waterways.

**SECTION 14 – TRANSPORTATION INFORMATION****DOT Proper Shipping Description:**

**Bulk & Non-Bulk :** UN1307, Xylenes, 3, PGIII

**SECTION 15 – REGULATORY INFORMATION**

**SARA Title III Section 311/312 (40CFR370):** Fire, acute and chronic health hazards.

**SARA Title III Section 313 (40CFR372):** Two reportable component. Xylene, Ethyl benzene.

**RCRA Status (40CFR261.33):** No reportable components.

**TSCA Inventory Status:** Reported/included

**OSHA/NTP/IARC Carcinogen Status:** Group 2B IARC Possible carcinogen to humans.

**Canadian DSL Status:** Reported/included

**Chemicals Known to the State of California to Cause Cancer or Reproductive Toxicity:**

Ethyl benzene.

**U.S. State Right-to-Know Regulations**

INGREDIENT NAME	New Jersey	Massachusetts	Pennsylvania
Xylene	X	X	X
Ethyl benzene	X	X	X

**SECTION 16 – OTHER INFORMATION**

**Date of Preparation:** 03/07/2017

**HMIS ratings:**

Health: 2\*

Flammability: 3

Reactivity: 0

To the best of our knowledge, the information contained herein is accurate. Final determination of the suitability of any material is the sole responsibility of the users. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein; we cannot guarantee that these are the only hazards which exist.