

Section 1: Identification

Product identifier

Product Name • ZyBar®

Relevant identified uses of the substance or mixture and uses advised against

Recommended use • High temperature coating

Details of the supplier of the safety data sheet

Manufacturer • ZyCoat, LLC
15032 W. 117th Street
Olathe, Kansas 66062
United States
<http://www.zycoat.com/>

Telephone (General) • 913-599-2600

Emergency telephone number

Manufacturer • (813) 248-0573 - Chem-Tel

Section 2: Hazard Identification

UN GHS Revision 6

According to: UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS): Sixth Revised Edition

Classification of the substance or mixture

UN GHS • Flammable Liquids 2

Label elements

UN GHS

DANGER



Hazard statements • Flammable liquid and vapour

Precautionary statements

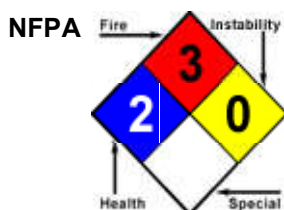
Prevention • Keep container tightly closed.
Wear protective gloves, clothing, and eye/face protection.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Use non-sparking tools.
Take action to prevent static discharges.

Ground and bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/ equipment.

Response • IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

Storage/Disposal • Store in a well-ventilated place. Keep cool.
Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Other information



Section 3 - Composition/Information on Ingredients

Mixtures

Composition			
Chemical Name	Identifiers	%	Hazardous
<i>Proprietary</i>	<i>Proprietary</i>	40% TO 45%	No
Acetic acid, tert-butyl ester	CAS:540-88-5	5%	Yes
Isopropyl acetate	CAS:108-21-4	5% TO 10%	No
Toluene	CAS:108-88-3	12% TO 16%	No
Xylene	CAS:1330-20-7	8% TO 12%	No
Ethylbenzene	CAS:100-41-4	< 4%	No
Butyl alcohol	CAS:71-36-3	< 4%	No
007439-96-5	CAS:MANGANESE	< 4%	No
Ethanol	CAS:64-17-5	< 4%	No
Carbon Black	CAS:1333-85-4	< 4%	No

Section 4: First-Aid Measures

Description of first aid measures

Inhalation • Remove person to fresh air.

Skin • If skin irritation occurs: Get medical advice/attention.

Eye • 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 advice/attention.

Ingestion • May be harmful if swallowed.

Section 5: Fire-Fighting Measures

Extinguishing media

- Suitable Extinguishing Media**
- SMALL FIRES: CO2 or Halon® may provide limited control.
 - SMALL FIRES: Dry chemical, CO2, water spray or regular foam.
 - LARGE FIRE: Water spray, fog or regular foam.
 - LARGE FIRE: Flood fire area with water from a distance.

Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.
- Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

- Personal Precautions**
- Do not walk through spilled material. Avoid any skin contact. Contaminated clothing may be a fire risk when dry.

Environmental precautions

- LARGE SPILLS: Prevent entry into waterways, sewers, basements or confined areas.

Section 7 - Handling and Storage

Precautions for safe handling

- Handling**
- Keep away from fire - No Smoking. Keep away from heat and sparks.

Conditions for safe storage, including any incompatibilities

- Storage**
- Store in a well-ventilated place. Keep cool.
 - Keep away from fire.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure controls

- Engineering Measures/Controls**
- Local and general ventilation is recommended.

Personal Protective Equipment

Pictograms



Respiratory

- Wear vapor respirator.

Eye/Face

- Wear eye/face protection.

Hands

- Wear protective gloves/protective clothing.

Skin/Body

- Wear protective gloves/protective clothing.

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Color	Clear liquid.
Odor	Organic, alcohol odor.		
General Properties			
Boiling Point	85 °C(185 °F)	Specific Gravity/Relative Density	1.01 @ 75 °F(23.8889 °C) Water=1
Viscosity	10 to 20 Centipoise (cPs, cP) or mPas @ 75 °F(23.8889 °C)		
Volatility			
Vapor Density	3.5 Air=1		

Section 10: Stability and Reactivity

Reactivity

- No dangerous reaction known under conditions of normal use.

Chemical stability

- Stable

Conditions to avoid

- Excess heat.

Incompatible materials

- Oxidizers.

Section 11 - Toxicological Information

Information on toxicological effects

Potential Health Effects

Inhalation : Acute (Immediate) • May cause mild irritation.

Skin: Acute (Immediate) • May cause mild irritation. Causes skin irritation.

Eye: Acute (Immediate) • Causes serious eye irritation. May cause mild irritation.

Ingestion: Acute (Immediate) • May cause mild irritation.

Carcinogenic Effects			
	CAS	IARC	NTP
Toluene	108-88-3	Group 3-Not Classifiable	Evidence of Carcinogenicity
Ethylbenzene	100-41-4	Group 2B-Possible Carcinogen	Evidence of Carcinogenicity
Xylene	1330-20-7	Group 3-Not Classifiable	Evidence of Carcinogenicity

Section 12 - Ecological Information

Toxicity

- This material may be hazardous to aquatic organisms. Avoid release to surface waters and waste treatment systems.

Section 13 - Disposal Considerations

Waste treatment methods

Product waste • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class(es)	Packing group
DOT	1263	Paint related material	3	III

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Canada

Labor

Canada - WHMIS 1988 - Classifications of Substances

•Acetic acid, tert-butyl ester	540-88-5	B2
•Butyl alcohol	71-36-3	B2, D2B
•Ethylbenzene	100-41-4	B2, D2A, D2B
•Toluene	108-88-3	B2, D2A, D2B
•Xylene	1330-20-7	B2, D2A, D2B
•Ethanol	64-17-5	B2, D2B
•Isopropyl acetate	108-21-4	B2
•007439-96-5	MANGANESE	Not Listed
•Carbon Black	1333-85-4	Not Listed

Canada - WHMIS 1988 - Ingredient Disclosure List

•Acetic acid, tert-butyl ester	540-88-5	1 %
•Butyl alcohol	71-36-3	1 %
•Ethylbenzene	100-41-4	0.1 %
•Toluene	108-88-3	1 %
•Xylene	1330-20-7	Not Listed
•Ethanol	64-17-5	0.1 %
•Isopropyl acetate	108-21-4	1 %
•007439-96-5	MANGANESE	Not Listed
•Carbon Black	1333-85-4	Not Listed

Section 16 - Other Information

Revision Date • August 2017

Last Revision Date • December 2016

Preparation Date • December 2016

Disclaimer/Statement of Liability • This MSDS is based on information which is believed to be reliable, and is subject to revision without notification. Because it is not possible to anticipate all conditions of use, additional safety precautions may be required. Since the use of this material is not under ZyCoat's control, each user is responsible for making its own determination as to the safe and proper handling of this material based upon local laws and regulations and in its own particular use of this material.