Safety Data Sheet ZVE500

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1: Identification of the substance/mixture and of the company

1.1 Product identifier
Trade name: ZVE500, ZVE500-V420

1.2 Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.
Application of the substance / the preparation
UV curable coating

1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier:
Bucktown Polymers
1658 Milwaukee Ave.
Chicago, IL 60647
Tel: +1 312 436 1460
bucktownpolymers.com
info@bucktownpolymers.com
1.4 Emergency telephone number: + 1 312 436 1460

2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008

Physical and Chemical Hazards	Not classified.
Human health	Eye Irrit. 2 - H319;Skin Sens. 1 - H317
Environment	Not classified.
Classification (1999/45/EEC)	Xi;R36. R43.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

2.2 Label elements

Hazard Statements
Warning
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

Precautionary Statements
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P313 Get medical advice/attention.

Supplementary Precautionary Statements
P272 Contaminated work clothing should not be allowed out of the workplace.
P261 Avoid breathing vapor/spray.
P264 Wash contaminated skin thoroughly after handling.
P321 Specific treatment (see medical advice on this label).
P302+352 IF ON SKIN: Wash with plenty of soap and water.
P333+313 If skin irritation or rash occurs: Get medical advice/attention.
P337 If eye irritation persists:
P363 Wash contaminated clothing before reuse.

2.3 Other hazards
Additional information: For the wording of the listed risk phrases refer to section 16
Classification system:
NFPA ratings (scale 0 - 4)
Health = 2
Fire = 1
Reactivity = 2

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HMIS-ratings (scale 0 - 4)

HEALTH	Health = 2
FIRE	Fire = 1
REACTIVITY	Reactivity = 2

3: Information on ingredients

3.1 Chemical characterization: Substances

CAS No.	Description	% by Wt
Proprietary	Acrylate Monomer	30 - 60
Proprietary	Aliphatic epoxy acrylate	40 - 70

4: First aid measures

4.1 Description of first aid measures

General information:
Get medical attention if any discomfort continues.

Inhalation
Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion
Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention.

Skin contact
Remove contaminated clothes and rinse skin thoroughly with water.

Eye contact
Immediately flush with plenty of water or eyewash solution for up to 10 minutes. Consult a physician for specific advice.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:
Foam, dry powder or carbon dioxide. Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Use fire fighting measures that suit the environment.

5.3 Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device.
Wear fully protective suit.

6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet. Ensure adequate ventilation. Keep people at a distance and stay upwind.

6.2 Environmental precautions:

Do not discharge onto the ground or into water courses.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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6.4 Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7: Handling and storage

7.1 Precautions for safe handling
No special measures required.

7.2 Conditions for safe storage, including any incompatibilities
Storage:
Store in tightly closed original container in a dry and cool place. Protect from freezing and direct sunlight. Keep away from heat,sparks and open flame. Keep away from food, drink and animal feeding stuffs. < + 35 C

7.3 Specific end use(s)

8: Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.

8.1 Control parameters

8.2 Exposure controls
General protective and hygienic measures:
The usual precautionary measures for handling chemicals should be followed.

Breathing equipment:
Use suitable respiratory protective device only when aerosol or mist is formed.

Protection of hands:
Protective gloves
Neoprene gloves are recommended.
Replace gloves immediately when torn or any change in appearance (dimension, color, flexibility etc) is noticed.

Eye protection:
Tightly sealed goggles
Goggles recommended during refilling.

Body protection:
Impervious protective clothing

9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties
General Information
Appearance:
Form: Fluid
Color: Orange tint
Odor: Ester-like
Flash point: > 130 °C (> 266 °F)
Viscosity: <300 mPas 25 C

9.2 Other information
No further relevant information available.

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10: Stability and Reactivity

10.1 Reactivity

10.2 Chemical stability
Stable under normal temperature conditions and recommended use.
Polymerization occurs when exposed to white light, ultraviolet light or heat.

10.3 Possibility of hazardous reactions:
Hazardous Polymerization
May polymerize.

10.4 Conditions to avoid:
Avoid radical forming substances (metal-ions, peroxides)

10.5 Incompatible materials:
Materials To Avoid
Strong alkalis. Amines. Organic peroxides/hydroperoxides.

10.6 Hazardous decomposition products:

11: Toxicological Information

11.1 Information on toxicological effects

Toxic Dose 1 - LD 50 > 2000 mg/kg body weight
Inhalation
May cause irritation to the respiratory system. No specific health warnings noted.

Skin contact
Irritating to skin.

Eye contact
Irritating to eyes.

Route of entry
Inhalation. Skin absorption. Ingestion.
Specific effects
Dermatitis

12: Ecological Information

Ecotoxicity
There are no data on the ecotoxicity of this product.

12.1 Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

13: Disposal Considerations

13.1 Waste treatment methods
Dispose of waste and residues in accordance with local authority requirements.

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14: Transport Information

General The product is not covered by international regulation onADR/RID).

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)
Transport Labels No transport warning sign required.

14.4. Packing group

14.5. Environmental hazards
Environmentally Hazardous Substance/Marine Pollutant
No.

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Water hazard classification
WGK 2

Section 355 (extremely hazardous substances):
Substance is not listed.

16: Other information

Risk Phrases In Full
R36 Irritating to eyes.
R43 May cause sensitization by skin contact.

Hazard Statements In Full
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.