

Safety Data Sheet ZVE200

Printing date 04/25/2015

Reviewed on 04/25/2015

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

1.1 Product identifier

Trade name: ZVE200, ZVE200-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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Trade name: ZVE200

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: <200 mPas 25 C

9.2 Other information

No further relevant information available.

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.