

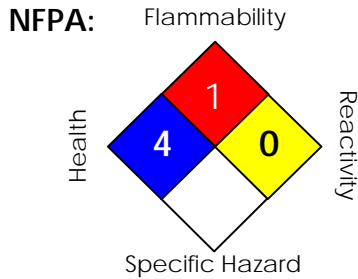
Material Safety Data Sheet

EPOXY MIXERCUPS - 10 CUPS, Comp. A

Version 1.1

Revision Date 10/23/2007

Print Date 11/04/2009


HMIS III:

HEALTH	3
FLAMMABILITY	1
PHYSICAL	0

 0 = Insignificant, 1 = Slight,
 2 = Moderate, 3 = High, 4 = Extreme

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : EPOXY MIXERCUPS - 10 CUPS, Comp. A
 Product Number : 08931200,
 MSDS Number : 888100004075

 Product Use Description : Dual-component adhesive

 Company : WURTH USA Inc.
 93 Grant Street
 Ramsey, NJ 07446 US

 Telephone : 1-800-987-8487 8:00am to 8:00pm EST
 Telefax : 1-201-818-4788
 Emergency telephone : 1-800-255-3924

SECTION 2. HAZARDS IDENTIFICATION
Emergency Overview

Regulatory status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Signal Word : DANGER
 Form : viscous, liquid
 Odour : slight
 Odour - Control parameters : no data available
 Hazard Summary : Sensitizer
 Possible cancer hazard - may cause cancer
 Highly Toxic



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Potential Health Effects

- Eyes : May cause eye irritation.
- Inhalation : Causes respiratory tract irritation.
- Skin : May cause allergic skin reaction.
May cause skin irritation.
May be fatal if absorbed through skin.
- Target Organs : Skin
Eyes
Respiratory system

Carcinogenicity:

- ACGIH : No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
- NTP : No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- IARC : Titanium dioxide (CAS-No.: 13463-67-7)
Carbon black (CAS-No.: 1333-86-4)
- OSHA : No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
- CA Prop 65 : WARNING! This product contains a chemical known in the State of California to cause cancer.
Carbon black (CAS-No.: 1333-86-4)

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS



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Component	CAS-No.	Weight %-Weight %
reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecularweight <= 700)	25068-38-6	>= 40 - < 45
Titanium dioxide	13463-67-7	>= 7 - < 10
Carbon black	1333-86-4	>= 0.75 - < 1
benzyl alcohol	100-51-6	>= 0.75 - < 1

SECTION 4. FIRST AID MEASURES

- General advice : Remove from exposure, lie down. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). When symptoms persist or in all cases of doubt seek medical advice.
- Inhalation : Remove to fresh air. Keep patient warm and at rest. If symptoms persist, call a physician. If breathing is irregular or stopped, administer artificial respiration.
- Skin contact : Wash off immediately with soap and plenty of water. Do NOT use solvents or thinners. If skin irritation persists, call a physician. Take off all contaminated clothing immediately.
- Eye contact : Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical advice.
- Ingestion : If swallowed, seek medical advice immediately and show this container or label. If a person vomits when lying on his back, place him in the recovery position. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

SECTION 5. FIRE-FIGHTING MEASURES

- Form : viscousliquid
- Flash point : >204.44 °C (399.99 °F)
- Lower explosion limit : Note: no data available
- Upper explosion limit : Note: no data available
- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Extinguishing media which shall not be used : High volume water jet



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- for safety reasons
- Specific hazards during fire fighting : Do not use a solid water stream as it may scatter and spread fire.
Burning produces irritant fumes.
- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus and protective suit.
- Further information : Standard procedure for chemical fires.
Exposure to decomposition products may be a hazard to health.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Use water spray to cool unopened containers.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Ventilate the area.
Avoid inhalation of vapour or mist.
Avoid contact with skin, eyes and clothing.
Wear personal protective equipment.
- Environmental precautions : Should not be released into the environment.
Avoid subsoil penetration.
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods for cleaning up : Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations.
Sweep up and shovel into suitable containers for disposal.

SECTION 7. HANDLING AND STORAGE

Handling

- Handling : Avoid contact with skin and eyes.
Do not breathe vapours or spray mist.
For personal protection see section 8.



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Advice on protection against fire and explosion : Normal measures for preventive fire protection. Fire or intense heat may cause violent rupture of packages.

Dust explosion class : not applicable

Storage

Requirements for storage areas and containers : Keep containers tightly closed in a dry, cool and well-ventilated place.
Store in original container.

Advice on common storage : Keep away from food, drink and animal feedingstuffs.
Keep away from oxidising agents, strongly acid or alkaline materials and amines.

Other data : No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Exposure Guidelines**

Components	CAS-No.	List	Type:	Value	Update
Titanium dioxide	13463-67-7	ACGIH	TWA	10 mg/m ³	2007
		OSHA Z1	PEL	15 mg/m ³	02 2006
		OSHA Z1A	TWA	10 mg/m ³	1989
		US CA OEL	TWA PEL	5 mg/m ³	07 2001
		US CA OEL	TWA PEL	10 mg/m ³	07 2001
Carbon black	1333-86-4	ACGIH	TWA	3.5 mg/m ³	2007
		NIOSH	REL	3.5 mg/m ³	2005
		NIOSH	REL	0.1 mg/m ³	2005
		OSHA Z1	PEL	3.5 mg/m ³	02 2006
		OSHA Z1A	TWA	3.5 mg/m ³	1989
		US CA OEL	TWA PEL	3.5 mg/m ³	07 2001
benzyl alcohol	100-51-6	WEEL	TWA	10 ppm 44.2 mg/m ³	2006

Engineering measures : Provide adequate ventilation.

Eye protection : Splash hazard? Please wear protective goggles.

Hand protection : Rubber or plastic gloves

Skin and body protection : impervious clothing



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- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
- Hygiene measures : When using do not eat, drink or smoke.
Avoid contact with skin, eyes and clothing.
Wash hands before breaks and at the end of workday.
Wash contaminated clothing before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : viscous, liquid
Odour : slight
Flash point : >204.44 °C (399.99 °F)
- Thermal decomposition : Thermal decomposition can lead to release of irritating gases and vapours.
- Lower explosion limit : no data available
Upper explosion limit : no data available
pH : neutral
 : no data available
- Boiling point/boilingrange : >260 °C(500 °F)
- Relative vapour density : no data available
- Density : 1.53 g/cm³
- Water solubility : negligible
- Volatile organic compounds (VOC) content : 0.75 %

SECTION 10. STABILITY AND REACTIVITY

- Conditions to avoid : Extremes of temperature and direct sunlight.
- Materials to avoid : Strong acids
Strong oxidizing agents
Strong bases

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Amines

- Hazardous decomposition products : Thermal decomposition can lead to release of irritating gases and vapours.
Carbon oxides
Smoke
- Thermal decomposition : Thermal decomposition can lead to release of irritating gases and vapours.
- Hazardous reactions : Hazardous polymerisation does not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

- Acute dermal toxicity : LD50 rabbit
Dose: ≥ 30.6 mg/kg
- Acute inhalation toxicity : Irritating to respiratory system.
- Skin irritation : Classification: Irritating to skin.
Result: Irritating to skin.
Prolonged skin contact may cause skin irritation and/or dermatitis.
- Eye irritation : Classification: Irritating to eyes.
Result: Irritating to eyes.
The liquid splashed in the eyes may cause irritation and reversible damage.
Strong lachrymation can make it difficult to escape
May cause irreversible eye damage.
- Sensitisation : May cause sensitization by skin contact.
: May cause sensitization by inhalation.
- Carcinogenicity : No data is available on the product itself.
Toxicity to reproduction : No data is available on the product itself.
Teratogenicity : No data is available on the product itself.
Further information : Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
Liver and kidney injuries may occur.

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Component:

reaction product: bisphenol-A- 25068-38-6
(epichlorhydrin) epoxy resin
(number average
molecularweight <= 700)

Skin irritation: Classification: Irritating to skin.
Result: Skin irritation

Eye irritation: Classification: Irritating to eyes.
Result: Eye irritation

Sensitisation: May cause sensitization by skin contact.

Titanium dioxide 13463-67-7

Acute oral toxicity: LD50 rat
Dose: > 10,000 mg/kg

Carbon black 1333-86-4

Acute oral toxicity: LD50 rat
Dose: > 15,400 mg/kg

benzyl alcohol 100-51-6

Acute oral toxicity: LD50 rat
Dose: 1,230 mg/kg

Acute dermal toxicity: LD50 rabbit
Dose: 2,000 mg/kg

Acute inhalation toxicity: LC50 rat
Dose: 8.8 mg/l
Exposure time: 4 h

Skin irritation: Classification: Irritating to skin.
Result: Mild skin irritation

Eye irritation: Classification: Irritating to eyes.
Result: Mild eye irritation

SECTION 12. ECOLOGICAL INFORMATION

Adsorbed organic bound : The product contains organic halogens.
halogens (AOX)

Volatile organic : 0.75 %
compounds (VOC)
content

Additional ecological : The product should not be allowed to enter drains, water
information courses or the soil.

Component:

Titanium dioxide 13463-67-7

Toxicity to fish:
LC0

Species: Leuciscus idus (Golden orfe)



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Dose: 1,000 mg/l
Exposure time: 48 h

SECTION 13. DISPOSAL CONSIDERATIONS

Adequate disposal : In accordance with local and national regulations.

SECTION 14. TRANSPORT INFORMATION

No dangerous good in the meaning of DOT 49 CFR, TDGR, IMDG-Code, ICAO/IATA-DGR.

SECTION 15. REGULATORY INFORMATION

OSHA Hazards : Highly toxic by skin absorption
Moderate skin irritant
Moderate eye irritant
Moderate respiratory irritant
Skin sensitizer
Possible carcinogen.

TSCA Status : On TSCA Inventory

DSL Status : All components of this product are on the Canadian DSL list.

SARA 311/312 Hazards : Acute Health Hazard
Chronic Health Hazard

SARA III US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA III US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR355, Appendix A)

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.



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PENN RTK

US. Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323)

<u>Components</u>	<u>CAS-No.</u>
Aluminium hydroxide	21645-51-2
reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecularweight <= 700)	25068-38-6
Titanium dioxide	13463-67-7

MASS RTK

US. Massachusetts Commonwealth's Right-to-Know Law (Appendix A to 105 Code of Massachusetts Regulations Section 670.000)

<u>Components</u>	<u>CAS-No.</u>
Titanium dioxide	13463-67-7

NJ RTK

US. New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section 34:5A-5)

<u>Components</u>	<u>CAS-No.</u>
Aluminium hydroxide	21645-51-2
reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecularweight <= 700)	25068-38-6
Titanium dioxide	13463-67-7
Formaldehyde, polymer with (chloromethyl)oxirane and 4,4'-(1-methylethylidene)bis[phenol]	28906-96-9

California Prop. 65

: WARNING! This product contains a chemical known in the State of California to cause cancer.

Carbon black

1333-86-4

SECTION 16. OTHER INFORMATION**Further information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.



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Prepared by : TechniData BCS GmbH
Birlenbacher Str. 19
D-57078 Siegen
Germany
Telephone: +49-(0)271-88072-0
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