SAFETY DATA SHEET

1. Identification

Product identifier WB S Component A

Other means of identification None

Not available. Recommended use Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name **ITW Performance Polymers**

Address Bay 150

Shannon Industrial Estate

Co, Clare, Ireland

Phone 363(61)771500 Telephone E-mail customerservice.shannon@itwpp.com

Emergency phone number Emergency Number 44(0)1235 239 670

2. Hazard(s) identification

Physical hazards Flammable liquids Category 3 **Health hazards** Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2A Sensitization, skin Category 1 Carcinogenicity Category 2 Category 1

Environmental hazards Hazardous to the aquatic environment, acute

hazard

Hazardous to the aquatic environment,

long-term hazard

OSHA defined hazards Not classified.

Label elements



Signal word

Flammable liquid and vapor. Causes skin irritation. May cause an allergic skin reaction. Causes **Hazard statement**

serious eye irritation. Suspected of causing cancer. Very toxic to aquatic life. Very toxic to aquatic

Category 1

life with long lasting effects.

Precautionary statement

Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read

and understood. 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. Avoid breathing mist/vapors. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the

environment. Wear protective gloves/protective clothing/eye protection/face protection.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Response

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. In case of fire: Use

appropriate media to extinguish. Collect spillage.

Store in a well-ventilated place. Keep cool. Store locked up. Storage

Disposal

Hazard(s) not otherwise classified (HNOC)

Supplemental information

Dispose of contents/container in accordance with local/regional/national/international regulations.

Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

72.5% of the mixture consists of component(s) of unknown acute oral toxicity. 75.5% of the mixture consists of component(s) of unknown acute dermal toxicity. 72.5% of the mixture consists of component(s) of unknown acute inhalation toxicity. 65% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 20% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Epoxy Resin:reaction Product Of Bisphenol A And Epichlorohydrin (refer To Epichlorohydrin)	EPOXY RESIN	25068-38-6	30-60%
EPOXY TERMINATED POLYSULPHIDE POLYMER		117527-71-6	10-30%
Ethyl Benzene		100-41-4	5-10%
Xylene	XYLENE	1330-20-7	5-10%
Zinc Phosphate		7779-90-0	5-10%
Zinc Oxide		1314-13-2	1-5%
		·	

Other components below reportable levels

4. First-aid measures

Inhalation

Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion

Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and

delayed

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

General information

Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media

Water fog. Foam. Carbon dioxide (CO2). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions
Specific methods

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Use standard firefighting procedures and consider the hazards of other involved materials.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to a salvage tank or other suitable container for recovery or safe disposal. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Prevent product from entering drains.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.

7. Handling and storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid breathing mist/vapors. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices

For additional information on equipment bonding and grounding, refer to the Canadian Electrical Code in Canada, (CSA C22.1), or the American Petroleum Institute (API) Recommended Practice 2003, "Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents" or National Fire Protection Association (NFPA) 77, "Recommended Practice on Static Electricity" or National Fire Protection Association (NFPA) 70, "National Electrical Code".

Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Eliminate sources of ignition. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. OSHA Table Z-1 Permissible Exposure Limits (PEL) for Air Contaminants (29 CFR 1910.1000) Components Type Value Form

Ethyl Benzene (CAS PEL 435 mg/m3 100-41-4)

JS. OSHA Table Z-1 Permissible Components	Туре	Value	Form
		100 ppm	
(ylene (CAS 1330-20-7)	PEL	435 mg/m3	
		100 ppm	
Zinc Oxide (CAS 314-13-2)	PEL	5 mg/m3	Fume.
		5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
JS. OSHA Table Z-3 Permissible Components	Exposure Limits (PEL) for Mine Type	eral Dusts (29 CFR 1910.1000) Value	Form
Zinc Oxide (CAS 1314-13-2)	TWA	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.
JS. ACGIH Threshold Limit Value	s (TLV)		
Components	Туре	Value	Form
Ethyl Benzene (CAS 00-41-4)	TWA	20 ppm	
(ylene (CAS 1330-20-7)	TWA	20 ppm	
1910110 (0710 1000 20 1)			
Zinc Oxide (CAS	STEL TWA	10 mg/m3 2 mg/m3	·
Zinc Oxide (CAS 1314-13-2) NIOSH. Immediately Dangerous to	TWA	2 mg/m3	·
Zinc Oxide (CAS 1314-13-2) NIOSH. Immediately Dangerous to Components Ethyl Benzene (CAS	TWA D Life or Health (IDLH) Values,	2 mg/m3 as amended	Respirable fraction. Respirable fraction.
Zinc Oxide (CAS 1314-13-2) NIOSH. Immediately Dangerous to Components Ethyl Benzene (CAS	TWA D Life or Health (IDLH) Values, Type	2 mg/m3 as amended Value	·
Zinc Oxide (CAS 1314-13-2) NIOSH. Immediately Dangerous to Components Ethyl Benzene (CAS 100-41-4) Zinc Oxide (CAS	TWA D Life or Health (IDLH) Values, Type	2 mg/m3 as amended Value 0.8 %	·
Zinc Oxide (CAS 1314-13-2) NIOSH. Immediately Dangerous to Components	TWA Description Life or Health (IDLH) Values, Type IDLH IDLH	2 mg/m3 as amended Value 0.8 % 800 ppm 500 mg/m3	·
Zinc Oxide (CAS 314-13-2) NIOSH. Immediately Dangerous to Components Ethyl Benzene (CAS 00-41-4) Zinc Oxide (CAS 314-13-2) JS. NIOSH: Pocket Guide to Cher Components Ethyl Benzene (CAS	TWA Description Life or Health (IDLH) Values, Type IDLH IDLH mical Hazards Recommended I	2 mg/m3 as amended Value 0.8 % 800 ppm 500 mg/m3 Exposure Limits (REL)	Respirable fraction.
Zinc Oxide (CAS 314-13-2) NIOSH. Immediately Dangerous to Components Ethyl Benzene (CAS 00-41-4) Zinc Oxide (CAS 314-13-2) JS. NIOSH: Pocket Guide to Cher Components Ethyl Benzene (CAS	TWA Do Life or Health (IDLH) Values, Type IDLH IDLH mical Hazards Recommended I Type	2 mg/m3 as amended Value 0.8 % 800 ppm 500 mg/m3 Exposure Limits (REL) Value	Respirable fraction.
Zinc Oxide (CAS 314-13-2) NIOSH. Immediately Dangerous to Components Ethyl Benzene (CAS 00-41-4) Zinc Oxide (CAS 314-13-2) JS. NIOSH: Pocket Guide to Cher Components Ethyl Benzene (CAS	TWA Do Life or Health (IDLH) Values, Type IDLH IDLH mical Hazards Recommended I Type	2 mg/m3 as amended Value 0.8 % 800 ppm 500 mg/m3 Exposure Limits (REL) Value 545 mg/m3	Respirable fraction.
Zinc Oxide (CAS 314-13-2) IIOSH. Immediately Dangerous to Components Ethyl Benzene (CAS 00-41-4) Zinc Oxide (CAS 314-13-2) JS. NIOSH: Pocket Guide to Chercomponents Ethyl Benzene (CAS	TWA Description Life or Health (IDLH) Values, Type IDLH IDLH mical Hazards Recommended I Type STEL	2 mg/m3 as amended Value 0.8 % 800 ppm 500 mg/m3 Exposure Limits (REL) Value 545 mg/m3 125 ppm	Respirable fraction.
Zinc Oxide (CAS 314-13-2) IIOSH. Immediately Dangerous to Components Ethyl Benzene (CAS 00-41-4) Zinc Oxide (CAS 314-13-2) JS. NIOSH: Pocket Guide to Cher Components Ethyl Benzene (CAS 00-41-4)	TWA Description Life or Health (IDLH) Values, Type IDLH IDLH mical Hazards Recommended I Type STEL	2 mg/m3 as amended Value 0.8 % 800 ppm 500 mg/m3 Exposure Limits (REL) Value 545 mg/m3 125 ppm 435 mg/m3	Respirable fraction.
Zinc Oxide (CAS 314-13-2) IIOSH. Immediately Dangerous to Components Ethyl Benzene (CAS 00-41-4) Zinc Oxide (CAS 314-13-2) JS. NIOSH: Pocket Guide to Cher Components Ethyl Benzene (CAS 00-41-4)	TWA Description Life or Health (IDLH) Values, Type IDLH IDLH mical Hazards Recommended I Type STEL TWA	2 mg/m3 as amended Value 0.8 % 800 ppm 500 mg/m3 Exposure Limits (REL) Value 545 mg/m3 125 ppm 435 mg/m3 100 ppm	Respirable fraction.
Linc Oxide (CAS 314-13-2) IIOSH. Immediately Dangerous to Components Ethyl Benzene (CAS 00-41-4) Linc Oxide (CAS 314-13-2) IS. NIOSH: Pocket Guide to Chercomponents Ethyl Benzene (CAS 00-41-4)	TWA Description Life or Health (IDLH) Values, Type IDLH IDLH mical Hazards Recommended I Type STEL TWA	2 mg/m3 as amended Value 0.8 % 800 ppm 500 mg/m3 Exposure Limits (REL) Value 545 mg/m3 125 ppm 435 mg/m3 100 ppm 655 mg/m3	Respirable fraction.
linc Oxide (CAS 314-13-2) IIOSH. Immediately Dangerous to components Ithyl Benzene (CAS 00-41-4) Inc Oxide (CAS 314-13-2) IS. NIOSH: Pocket Guide to Chercomponents Ithyl Benzene (CAS 00-41-4)	TWA Description Life or Health (IDLH) Values, Type IDLH IDLH mical Hazards Recommended I Type STEL TWA STEL	2 mg/m3 as amended Value 0.8 % 800 ppm 500 mg/m3 Exposure Limits (REL) Value 545 mg/m3 125 ppm 435 mg/m3 100 ppm 655 mg/m3 150 ppm	Respirable fraction.
Zinc Oxide (CAS 314-13-2) NIOSH. Immediately Dangerous to Components Ethyl Benzene (CAS 00-41-4) Zinc Oxide (CAS 314-13-2) JS. NIOSH: Pocket Guide to Chercomponents Ethyl Benzene (CAS 00-41-4) Cylene (CAS 1330-20-7)	TWA Description Life or Health (IDLH) Values, Type IDLH IDLH mical Hazards Recommended I Type STEL TWA STEL	2 mg/m3 as amended Value 0.8 % 800 ppm 500 mg/m3 Exposure Limits (REL) Value 545 mg/m3 125 ppm 435 mg/m3 100 ppm 655 mg/m3 150 ppm 435 mg/m3	Respirable fraction.
Zinc Oxide (CAS 1314-13-2) NIOSH. Immediately Dangerous to Components Ethyl Benzene (CAS 100-41-4) Zinc Oxide (CAS 314-13-2) JS. NIOSH: Pocket Guide to Cher Components Ethyl Benzene (CAS 100-41-4) Cylene (CAS 1330-20-7)	TWA Description Life or Health (IDLH) Values, Type IDLH IDLH mical Hazards Recommended I Type STEL TWA STEL TWA	2 mg/m3 as amended Value 0.8 % 800 ppm 500 mg/m3 Exposure Limits (REL) Value 545 mg/m3 125 ppm 435 mg/m3 100 ppm 655 mg/m3 150 ppm 435 mg/m3 100 ppm	Respirable fraction. Form
Zinc Oxide (CAS 1314-13-2) NIOSH. Immediately Dangerous to Components Ethyl Benzene (CAS 100-41-4) Zinc Oxide (CAS 1314-13-2) JS. NIOSH: Pocket Guide to Cher	TWA Description Life or Health (IDLH) Values, Type IDLH IDLH IDLH IDLH Mical Hazards Recommended I Type STEL TWA STEL TWA Ceiling	2 mg/m3 as amended Value 0.8 % 800 ppm 500 mg/m3 Exposure Limits (REL) Value 545 mg/m3 125 ppm 435 mg/m3 100 ppm 655 mg/m3 150 ppm 435 mg/m3 100 ppm 435 mg/m3 100 ppm 15 mg/m3	Respirable fraction. Form Dust.

Biological limit values

ACGIH Biological Exposure Indices (BEI)

Components	Value	Determinant	Specimen	Sampling Time
Ethyl Benzene (CAS 100-41-4)	0.15 g/g	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in urine	*
Xylene (CAS 1330-20-7)	1.5 g/g	Methylhippuric acids	Creatinine in urine	*

^{* -} For sampling details, please see the source document.

Appropriate engineering

controls

Explosion-proof general and local exhaust ventilation. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.

Individual protection measures, such as personal protective equipment

Eye/face protection Chemical respirator with organic vapor cartridge and full facepiece.

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protectionChemical respirator with organic vapor cartridge and full facepiece. **Thermal hazards**Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Observe any medical surveillance requirements. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance Paste.
Physical state Liquid.
Form Liquid.
Color Grey

Odor Characteristic.
Odor threshold Not available.
pH Not available.

Melting point/freezing point -138.82 °F (-94.9 °C) estimated Initial boiling point and boiling 277.16 °F (136.2 °C) estimated

range

Flash point 80.6 °F (27.0 °C)

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) 6.8 % estimated

Vapor pressure 11.73 hPa estimated

Vapor densityNot available.Relative densityNot available.

Solubility(ies)

Solubility (water) Not available.

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperature 810 °F (432.22 °C) estimated

Decomposition temperature Not available.

Viscosity Not available.

Other information

Density 1.45 g/cm3 **Explosive properties** Not explosive.

Flammability class Flammable IC estimated

Oxidizing properties Not oxidizing.

Specific gravity 1.45

10. Stability and reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport. Reactivity

Chemical stability Material is stable under normal conditions. Possibility of hazardous Hazardous polymerization does not occur.

reactions

Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the Conditions to avoid

flash point. Contact with incompatible materials.

Strong acids. Strong oxidizing agents. Halogens. Incompatible materials No hazardous decomposition products are known. Hazardous decomposition

products

11. Toxicological information

Information on likely routes of exposure

Inhalation Prolonged inhalation may be harmful.

Skin contact Causes skin irritation. May cause an allergic skin reaction.

Eye contact Causes serious eye irritation.

Ingestion Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction.

> 5 g/kg

Dermatitis, Rash.

Information on toxicological effects

A auta taviaitu Not known

Acute toxicity	Not known.	
Components	Species	Test Results
Ethyl Benzene (CAS 100-	-41-4)	
<u>Acute</u>		
Dermal		
LD50	Rabbit	17800 mg/kg
Oral		
LD50	Rat	3500 mg/kg
Xylene (CAS 1330-20-7)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	> 43 g/kg
Oral		
LD50	Rat	3523 - 8600 mg/kg
Zinc Oxide (CAS 1314-13	3-2)	
<u>Acute</u>		
Inhalation		
LC50	Mouse	> 5.70000000000000 mg/l, 4 Hours
Oral		

Skin corrosion/irritation Causes skin irritation.

Causes serious eye irritation. Serious eye damage/eye

Rat

irritation

LD50

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization May cause an allergic skin reaction.

Germ cell mutagenicityNo data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity Suspected of causing cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

Ethyl Benzene (CAS 100-41-4) 2B Possibly carcinogenic to humans.

Xylene (CAS 1330-20-7) 3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicity Components in this product have been shown to cause birth defects and reproductive disorders in

laboratory animals.

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

repeated exposure

Not classified.

Aspiration hazard Not an aspiration hazard.

Chronic effects Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

12. Ecological information

Ecotoxicity Very toxic to aquatic life with long lasting effects.

Persistence and degradability No data is available on the degradability of any ingredients in the mixture.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

 Ethyl Benzene
 3.15

 Xylene
 3.12 - 3.2

Mobility in soil No data available.

Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructionsDispose of this material and its container to hazardous or special waste collection point. Incinerate

the material under controlled conditions in an approved incinerator. Do not incinerate sealed containers. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose of contents/container in accordance with

local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code D001: Waste Flammable material with a flash point <140 F

The waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

14. Transport information

DOT

UN number UN1866

UN proper shipping name Resin sol

Transport hazard class(es)

Resin solution, flammable

Class 3 Subsidiary risk -

Material name: WB S Component A
4443 Version #: 01 Issue date: 07-24-2023

SDS US

7 / 10

Label(s) 3 Ш **Packing group**

Environmental hazards

Marine pollutant No.

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

B1, B52, IB3, T2, TP1 **Special provisions**

Packaging exceptions 150 Packaging non bulk 173 242 Packaging bulk

IATA

UN1866 **UN** number

UN proper shipping name Resin solution flammable

Transport hazard class(es)

3 Class Subsidiary risk Ш Packing group **Environmental hazards** No. **ERG Code** 3L

Other information

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Passenger and cargo

aircraft

Allowed with restrictions.

Allowed with restrictions. Cargo aircraft only

IMDG

UN number UN1866

UN proper shipping name **RESIN SOLUTION flammable**

Transport hazard class(es)

Class 3

Subsidiary risk Packing group Ш

Environmental hazards

No. Marine pollutant

EmS F-E, S-E Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Not established. Transport in bulk according to

Annex II of MARPOL 73/78 and

the IBC Code

DOT







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15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration

Ethyl Benzene (CAS 100-41-4) % 0.1

Xylene (CAS 1330-20-7) % 1.0

Zinc Oxide (CAS 1314-13-2) % 1.0 N982

Zinc Phosphate (CAS 7779-90-0) % 1.0 N982

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance

 Ethyl Benzene (CAS 100-41-4)
 Listed.

 Xylene (CAS 1330-20-7)
 Listed.

 Zinc Oxide (CAS 1314-13-2)
 Listed. N982

 Zinc Phosphate (CAS 7779-90-0)
 Listed. N982

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

 Ethyl Benzene (CAS 100-41-4)
 Listed.

 Xylene (CAS 1330-20-7)
 Listed.

 Zinc Oxide (CAS 1314-13-2)
 Listed.

 Zinc Phosphate (CAS 7779-90-0)
 Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous

chemical

Yes

Classified hazard

Flammable (gases, aerosols, liquids, or solids)

categories Skin corrosion or irritation

Serious eye damage or eye irritation Respiratory or skin sensitization

Carcinogenicity

Hazard not otherwise classified (HNOC)

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.	
Ethyl Benzene	100-41-4	5-10%	
Xylene	1330-20-7	5-10%	
Zinc Oxide	1314-13-2	1-5%	
Zinc Phosphate	7779-90-0	5-10%	

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Ethyl Benzene (CAS 100-41-4) Xylene (CAS 1330-20-7)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

Contains component(s) regulated under the Safe Drinking Water Act.

(SDWA)

US state regulations

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd.

(a))

Ethyl Benzene (CAS 100-41-4) Xylene (CAS 1330-20-7)

4443 Version #: 01 Issue date: 07-24-2023

California Proposition 65



WARNING: This product can expose you to Ethyl Benzene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

California Proposition 65 - CRT: Listed date/Carcinogenic substance

Ethyl Benzene (CAS 100-41-4) Listed: June 11, 2004

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical	No

Europe European List of Notified Chemical Substances (ELINCS) No Japan Inventory of Existing and New Chemical Substances (ENCS) No Korea Existing Chemicals List (ECL) Nο

New Zealand **New Zealand Inventory** No **Philippines** Philippine Inventory of Chemicals and Chemical Substances No

Taiwan Taiwan Chemical Substance Inventory (TCSI) Yes United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory No

16. Other information, including date of preparation or last revision

(PICCS)

07-24-2023 Issue date

Version #

HMIS® ratings Health: 2*

> Flammability: 3 Physical hazard: 0

NFPA ratings Health: 2

> Flammability: 3 Instability: 0

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> product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. 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 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. The information given is designed only as a guidance

for safe handling, use, processing, storage, transportation, disposal and release.

^{*}A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).