

**SAFETY DATA SHEET****WEST SYSTEM SIX 10 RESIN**

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product name WEST SYSTEM SIX 10 RESIN
Product number 610A

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

Identified uses Resin.
Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier Suter Kunststoffe AG
Aefligenstrasse 3
CH - 3312 Fraubrunnen

Tel: +41 (0)31 763 60 60
Fax: +41 (0)31 763 60 61
info@swiss-composite.ch

1.4. Emergency telephone number

Emergency telephone 145 Tox Info Schweiz

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification****Physical hazards**

Not Classified

Health hazards

Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317

Environmental hazards

Aquatic Chronic 2 - H411

Classification (67/548/EEC or 1999/45/EC)

Xi;R36/38. R43. N;R51/53.

Human health

The liquid is irritating to eyes and skin. The product contains a sensitising substance. See Section 11 for additional information on health hazards.

Environmental

The product contains a substance which may have hazardous effects on the environment.

2.2. Label elements**Pictogram**

WEST SYSTEM SIX 10 RESIN**Signal word****Hazard statements****Warning**

H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.
 P273 Avoid release to the environment.
 P280 Wear protective gloves, eye and face protection.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P501 Dispose of contents/container in accordance with national regulations.

Contains

EPOXY RESIN (Number average MW ≤ 700), BUTANEDIOLDIGLYCIDYL ETHER,
 BISPHENOL F EPOXY RESIN, ALKYLGLYCIDYL ETHER

Supplementary precautionary statements

P261 Avoid breathing vapour/spray.
 P264 Wash contaminated skin thoroughly after handling.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P391 Collect spillage.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

EPOXY RESIN (Number average MW ≤ 700)		60-100%
CAS number: 25068-38-6 EC number: 500-033-5		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Skin Irrit. 2 - H315	R43 Xi;R36/38 N;R51/53	
Eye Irrit. 2 - H319		
Skin Sens. 1 - H317		
Aquatic Chronic 2 - H411		

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BUTANEDIOLDIGLYCIDYL ETHER		5-10%
CAS number: 2425-79-8 EC number: 219-371-7		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Acute Tox. 4 - H312	Xn;R20/21 R43 Xi;R36/38	
Acute Tox. 4 - H332		
Skin Irrit. 2 - H315		
Eye Irrit. 2 - H319		
Skin Sens. 1 - H317		
BISPHENOL F EPOXY RESIN		5-10%
CAS number: 28064-14-4 EC number: —		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Skin Irrit. 2 - H315	Xi;R36/38. N;R51/53. R43.	
Eye Irrit. 2 - H319		
Skin Sens. 1 - H317		
Aquatic Chronic 2 - H411		
ALKYLGLYCIDYL ETHER		1-5%
CAS number: 68609-97-2 EC number: 271-846-8		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Skin Irrit. 2 - H315	Xi;R36/38. R43.	
Eye Irrit. 2 - H319		
Skin Sens. 1 - H317		

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

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.

Inhalation

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Place unconscious person on their side in the recovery position and ensure breathing can take place. Maintain an open airway. Loosen tight clothing such as collar, tie or belt.

Ingestion

Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Place unconscious person on their side in the recovery position and ensure breathing can take place. Maintain an open airway. Loosen tight clothing such as collar, tie or belt.

Skin contact

Wash skin thoroughly with soap and water. In the event of any sensitisation symptoms developing, ensure further exposure is avoided. Get medical attention if symptoms are severe or persist after washing.

Eye contact

Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 10 minutes. Get medical attention if irritation persists after washing.

Protection of first aiders

First aid personnel should wear appropriate protective equipment during any rescue.

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4.2. Most important symptoms and effects, both acute and delayed

General information

See Section 11 for additional information on health hazards. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation

A single exposure may cause the following adverse effects: Irritation of nose, throat and airway. Difficulty in breathing. Coughing.

Ingestion

Gastrointestinal symptoms, including upset stomach. May cause irritation. Fumes from the stomach contents may be inhaled, resulting in the same symptoms as inhalation.

Skin contact

Irritating to skin. May cause sensitisation by skin contact.

Eye contact

Irritating to eyes.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media

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

5.2. Special hazards arising from the substance or mixture

Specific hazards

None known.

Hazardous combustion products

Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours. Carbon dioxide (CO₂). Carbon monoxide (CO).

5.3. Advice for firefighters

Protective actions during firefighting

Avoid breathing fire gases or vapours. Ventilate closed spaces before entering them. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

No action shall be taken without appropriate training or involving any personal risk. Keep unnecessary and unprotected personnel away from the spillage. Follow precautions for safe handling described in this safety data sheet. Wear protective clothing as described in Section 8 of this safety data sheet. Take care as floors and other surfaces may become slippery. Avoid inhalation of vapours. Avoid contact with skin and eyes. Provide adequate ventilation. Wash thoroughly after dealing with a spillage.

6.2. Environmental precautions

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Environmental precautions

Avoid discharge to the aquatic environment. Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Small Spillages: Collect spillage. Large Spillages: Absorb spillage with non-combustible, absorbent material. The contaminated absorbent may pose the same hazard as the spilled material. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dangerous for the environment. For waste disposal, see Section 13.

6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid contact with skin and eyes. Avoid inhalation of vapours. Provide adequate ventilation. Do not handle until all safety precautions have been read and understood.

Advice on general occupational hygiene

Wash promptly if skin becomes contaminated. Remove contaminated clothing and protective equipment before entering eating areas. Wash at the end of each work shift and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product. Change work clothing daily before leaving workplace.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Protect from light.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Ingredient comments

No exposure limits known for ingredient(s).

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Good general ventilation should be adequate to control worker exposure to airborne contaminants.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166.

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Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacture, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.

Other skin and body protection

Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.

Hygiene measures

Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Clean equipment and the work area every day. When using do not eat, drink or smoke. Wash at the end of each work shift and before eating, smoking and using the toilet. Warn cleaning personnel of any hazardous properties of the product.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Check that the respirator fits tightly and the filter is changed regularly.

Environmental exposure controls

Avoid discharge to the aquatic environment. Keep container tightly sealed when not in use.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Viscous liquid. Creamy liquid.

Colour

White/off-white.

Odour

Mild.

Odour threshold

Not determined.

pH

Not determined.

Melting point

Not determined.

Initial boiling point and range

>250°C @ 760 mm Hg

Flash point

> 93°C CC (Closed cup).

Evaporation rate

Not determined.

Evaporation factor

Not determined.

Upper/lower flammability or explosive limits

Not determined.

Vapour pressure

<1 mm Hg @ °C

Vapour density

>1

Relative density

1.17 @ 20°C

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Bulk density

Not determined.

Solubility(ies)

Slightly soluble in water.

Partition coefficient

Not determined.

Auto-ignition temperature

Not determined.

Decomposition Temperature

Not determined.

Viscosity

~100,000 mPa s @ 25°C

Explosive properties

Not determined.

Oxidising properties

Does not meet the criteria for classification as oxidising.

9.2. Other information**Other information**

Not known.

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under the prescribed storage conditions.

10.2. Chemical stability**Stability**

Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

There are no known conditions that are likely to result in a hazardous situation.

10.5. Incompatible materials**Materials to avoid**

Strong acids. Strong oxidising agents.

10.6. Hazardous decomposition products

Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity - oral**

Based on available data the classification criteria are not met.

Acute toxicity - dermal

Based on available data the classification criteria are not met.

ATE dermal (mg/kg)

18272.42524917

Acute toxicity - inhalation

Based on available data the classification criteria are not met.

WEST SYSTEM SIX 10 RESIN**ATE inhalation (vapours mg/l)**

182.72425249

Skin corrosion/irritation**Animal data**

Skin Irrit. 2 - H315 May cause skin irritation.

Serious eye damage/irritation

Eye Irrit. 2 - H319 May cause eye irritation.

Respiratory sensitisation

Based on available data the classification criteria are not met.

Skin sensitisation

Skin Sens. 1 - H317 May cause skin sensitisation or allergic reactions in sensitive individuals.

Germ cell mutagenicity**Genotoxicity - in vitro**

Based on available data the classification criteria are not met.

Genotoxicity - in vivo

Based on available data the classification criteria are not met.

Carcinogenicity

Based on available data the classification criteria are not met.

Reproductive toxicity**Reproductive toxicity - fertility**

Based on available data the classification criteria are not met.

Reproductive toxicity - development

Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure**STOT - single exposure**

Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure**STOT - repeated exposure**

Based on available data the classification criteria are not met.

Aspiration hazard

Based on available data the classification criteria are not met.

Inhalation

A single exposure may cause the following adverse effects: Irritation of nose, throat and airway. Difficulty in breathing. Coughing.

Ingestion

Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract. Fumes from the stomach contents may be inhaled, resulting in the same symptoms as inhalation.

Skin contact

Irritating to skin.

Eye contact

Irritating to eyes.

Route of entry

Ingestion Inhalation Skin and/or eye contact

Toxicological information on ingredients.

WEST SYSTEM SIX 10 RESIN**EPOXY RESIN (Number average MW <= 700)****Acute toxicity - oral**

> 2000 mg/kg Rat REACH dossier information. Based on available data the classification criteria are not met.

Acute toxicity - dermal

> 2000 mg/kg Rat REACH dossier information. Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Data lacking.

Skin corrosion/irritation**Animal data**

Dose: 0.5ml, 4 hr, Rabbit Erythema/eschar score: Very slight erythema - barely perceptible (1). Oedema score: Very slight oedema - barely perceptible (1). REACH dossier information. Irritating to skin.

Serious eye damage/irritation

Irritating to eyes.

Respiratory sensitisation

No information available.

Skin sensitisation

Local Lymph Node Assay (LLNA) - Mouse: Sensitising. REACH dossier information. May cause sensitisation by skin contact.

Germ cell mutagenicity**Genotoxicity - in vitro**

Gene mutation: Negative. REACH dossier information. Based on available data the classification criteria are not met.

Genotoxicity - in vivo

Chromosome aberration: Negative. REACH dossier information. This substance has no evidence of mutagenic properties.

Carcinogenicity

NOAEL 100 mg/kg, Oral, Rat REACH dossier information. There is no evidence that the product can cause cancer.

Reproductive toxicity**Reproductive toxicity - fertility**

Two-generation study - NOAEL 20 mg/kg/day, Oral, Rat P REACH dossier information. Based on available data the classification criteria are not met.

Reproductive toxicity - development

Maternal toxicity: - NOAEL: 180 mg/kg/day, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure**STOT - single exposure**

Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure**STOT - repeated exposure**

NOAEL 50 mg/kg, Oral, Rat REACH dossier information. Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Based on available data the classification criteria are not met.

WEST SYSTEM SIX 10 RESIN
BUTANEDIOLDIGLYCIDYL ETHER

Acute toxicity - oral

Based on available data the classification criteria are not met.

Acute toxicity - dermal

Harmful in contact with skin.

ATE dermal (mg/kg)

1100

Acute toxicity - inhalation

Harmful if inhaled.

ATE inhalation (vapours mg/l)

11.0

Skin corrosion/irritation**Animal data**

Dose: 0.5ml, 4 hr, Rabbit Erythema/eschar score: No erythema (0). Oedema score: No oedema (0). REACH dossier information. Irritating to skin.

Serious eye damage/irritation

Irritating to eyes.

Respiratory sensitisation

No information available.

Skin sensitisation

Guinea pig maximization test (GPMT) - Guinea pig: Sensitising. REACH dossier information. May cause sensitisation by skin contact.

Germ cell mutagenicity**Genotoxicity - in vitro**

Gene mutation: Positive. REACH dossier information. Based on available data the classification criteria are not met.

Genotoxicity - in vivo

Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.

Carcinogenicity

Data lacking.

Reproductive toxicity**Reproductive toxicity - fertility**

Data lacking.

Reproductive toxicity - development

Data lacking.

Specific target organ toxicity - single exposure**STOT - single exposure**

Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure**STOT - repeated exposure**

NOAEL 200 mg/kg, Oral, Rat REACH dossier information. Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Based on available data the classification criteria are not met.

WEST SYSTEM SIX 10 RESIN
BISPHENOL F EPOXY RESIN

Toxicological effects

No information available.

WEST SYSTEM SIX 10 RESIN
ALKYLGLYCIDYL ETHER

Acute toxicity - oral**Acute toxicity oral (LD₅₀ mg/kg)**

26,800.0

Species

Rat

REACH dossier information. Based on available data the classification criteria are not met.

ATE oral (mg/kg)

26,800.0

Acute toxicity - dermal

Data lacking.

Acute toxicity - inhalation

Based on available data the classification criteria are not met.

Skin corrosion/irritation**Animal data**

Dose: , 24 hr, Rabbit Primary dermal irritation index: 4.08 REACH dossier information. Irritating.

Serious eye damage/irritation

Irritating to eyes.

Respiratory sensitisation

No information available.

Skin sensitisation

Buehler test: - Guinea pig: Sensitising. REACH dossier information. May cause sensitisation by skin contact.

Germ cell mutagenicity**Genotoxicity - in vitro**

Gene mutation: Negative. REACH dossier information. Based on available data the classification criteria are not met.

Genotoxicity - in vivo

Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.

Carcinogenicity

Data lacking.

Reproductive toxicity**Reproductive toxicity - fertility**

- NOAEL 200 mg/kg/day, Dermal, Rat P REACH dossier information. Based on available data the classification criteria are not met.

Reproductive toxicity - development

Developmental toxicity: - NOAEL: 200 mg/kg/day, Dermal, Rat REACH dossier information. Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure**STOT - single exposure**

Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure**STOT - repeated exposure**

NOAEL > 1 mg/kg, Dermal, Rat Estimated value. REACH dossier information. Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Based on available data the classification criteria are not met.

WEST SYSTEM SIX 10 RESIN**SECTION 12: Ecological Information****Ecotoxicity**

Dangerous for the environment if discharged into watercourses.

12.1. Toxicity

Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.

Ecological information on ingredients.**EPOXY RESIN (Number average MW ≤ 700)****Acute toxicity - fish**

LC₅₀, 96 hours: 1.2 mg/l, Onchorhynchus mykiss (Rainbow trout) REACH dossier information.

Acute toxicity - aquatic invertebrates

EC₅₀, 48 hours: 2.8 mg/l, Daphnia magna REACH dossier information.

Acute toxicity - aquatic plants

EC₅₀, 72 hours: 9.4 mg/l, Selenastrum capricornutum REACH dossier information.

Acute toxicity - microorganisms

IC₅₀, >: 100 mg/l, Activated sludge REACH dossier information.

BUTANEDIOLDIGLYCIDYL ETHER**Acute toxicity - fish**

LC₅₀, 96 hours: 24 mg/l, Brachydanio rerio (Zebra Fish) REACH dossier information.

Acute toxicity - aquatic invertebrates

EC₅₀, 24 hours: 76 mg/l, Daphnia magna REACH dossier information.

Acute toxicity - aquatic plants

EC₅₀, 72 hours: > 160 mg/l, Freshwater algae REACH dossier information.

Acute toxicity - microorganisms

IC₅₀, 3 hours: > 100 mg/l, Activated sludge REACH dossier information.

BISPHENOL F EPOXY RESIN

There are no data on the ecotoxicity of this product.

ALKYLGLYCIDYL ETHER**Acute toxicity - fish**

LC₅₀, 96 hours: > 5000 mg/l, Onchorhynchus mykiss (Rainbow trout) REACH dossier information.

Acute toxicity - aquatic invertebrates

EC₅₀, 48 hours: 7.2 mg/l, Daphnia magna REACH dossier information.

Acute toxicity - aquatic plants

NOEC, 72 hours: 500 mg/l, Freshwater algae REACH dossier information.

Acute toxicity - microorganisms

EC₅₀, 3 hours: > 100 mg/l, Estimated value. REACH dossier information.

12.2. Persistence and degradability**Persistence and degradability**

There are no data on the degradability of this product.

WEST SYSTEM SIX 10 RESIN**Ecological information on ingredients.****EPOXY RESIN (Number average MW ≤ 700)****Phototransformation**

Air. - DT₅₀ : 6.44 hours Estimated value. REACH dossier information.

Biodegradation

water - Degradation (%) 5: 28 days REACH dossier information. No biodegradation observed under test conditions.

BUTANEDIOLDIGLYCIDYL ETHER**Stability (hydrolysis)**

pH7 - Half-life : 86 hours @ 25°C Estimated value. REACH dossier information.

Biodegradation

water - Degradation (%) 43: 28 days REACH dossier information. The product is not readily biodegradable.

BISPHENOL F EPOXY RESIN**Biodegradation**

Not determined.

ALKYLGLYCIDYL ETHER**Biodegradation**

water - Degradation (%) 87: 28 days REACH dossier information. The substance is readily biodegradable.

12.3. Bioaccumulative potential

No data available on bioaccumulation.

Partition coefficient

Not determined.

Ecological information on ingredients.**EPOXY RESIN (Number average MW ≤ 700)**

The product is not bioaccumulating. BCF: ~ 31, Estimated value. REACH dossier information.

Partition coefficient

log Pow: ≥ 2.918 REACH dossier information.

BUTANEDIOLDIGLYCIDYL ETHER

No data available on bioaccumulation.

Partition coefficient

log Pow: -0.269 REACH dossier information.

BISPHENOL F EPOXY RESIN

No data available on bioaccumulation.

ALKYLGLYCIDYL ETHER

The product is not bioaccumulating. BCF: ~ 160, Estimated value. REACH dossier information.

12.4. Mobility in soil**Mobility**

No information available.

WEST SYSTEM SIX 10 RESIN**Ecological information on ingredients.****EPOXY RESIN (Number average MW <= 700)****Mobility**

Slightly soluble in water.

Adsorption/desorption coefficient

Soil - log Koc: ~ 2.65 @ 20°C Estimated value. REACH dossier information.

Surface tension

58.7 mN/m @ 20°C REACH dossier information.

BUTANEDIOLDIGLYCIDYL ETHER**Mobility**

The product is soluble in water.

Surface tension

44.4 mN/m @ 20°C REACH dossier information.

BISPHENOL F EPOXY RESIN**Mobility**

No information available.

ALKYLGLYCIDYL ETHER**Mobility**

Slightly soluble in water.

Adsorption/desorption coefficient

Soil - log Koc: > 5.63 @ 20°C REACH dossier information.

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.**EPOXY RESIN (Number average MW <= 700)**

This substance is not classified as PBT or vPvB according to current EU criteria.

BUTANEDIOLDIGLYCIDYL ETHER

This substance is not classified as PBT or vPvB according to current EU criteria.

BISPHENOL F EPOXY RESIN

This substance is not classified as PBT or vPvB according to current EU criteria.

ALKYLGLYCIDYL ETHER

This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

None known.

WEST SYSTEM SIX 10 RESIN**Ecological information on ingredients.****EPOXY RESIN (Number average MW <= 700)**

None known.

BUTANEDIOLDIGLYCIDYL ETHER

None known.

BISPHENOL F EPOXY RESIN

None known.

ALKYLGLYCIDYL ETHER

None known.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****General information**

The generation of waste should be minimised or avoided wherever possible. This material and its container must be disposed of in a safe way. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

Disposal methods

Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Incineration or landfill should only be considered when recycling is not feasible. Do not discharge into drains or watercourses or onto the ground.

SECTION 14: Transport information**14.1. UN number**

UN No. (ADR/RID)	3082
UN No. (IMDG)	3082
UN No. (ICAO)	3082
UN No. (ADN)	3082

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS EPOXY RESIN (Number average MW <= 700), BISPHENOL F EPOXY RESIN)
Proper shipping name (IMDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS EPOXY RESIN (Number average MW <= 700), BISPHENOL F EPOXY RESIN)
Proper shipping name (ICAO)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS EPOXY RESIN (Number average MW <= 700), BISPHENOL F EPOXY RESIN)
Proper shipping name (ADN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS EPOXY RESIN (Number average MW <= 700), BISPHENOL F EPOXY RESIN)

14.3. Transport hazard class(es)

ADR/RID class	9
ADR/RID subsidiary risk	
ADR/RID classification code	M6
ADR/RID label	9
IMDG class	9
IMDG subsidiary risk	
ICAO class/division	9

WEST SYSTEM SIX 10 RESIN**ICAO subsidiary risk**

ADN class 9

Transport labels**14.4. Packing group**

ADR/RID packing group III

IMDG packing group III

ICAO packing group III

ADN packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



Yes.

14.6. Special precautions for user

EmS F-A, S-F

ADR transport category 3

Emergency Action Code •3Z

Hazard Identification Number 90
(ADR/RID)

Tunnel restriction code (E)

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

Not applicable.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations**

Health and Safety at Work etc. Act 1974 (as amended). The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"]. EH40/2005 Workplace exposure limits.

EU legislation

Dangerous Preparations Directive 1999/45/EC. Dangerous Substances Directive 67/548/EEC. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information**Classification procedures according to Regulation (EC) 1272/2008**

Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Skin Sens. 1 - H317, Aquatic Chronic 2 - H411: Calculation method.

Revision date 08/12/2014

WEST SYSTEM SIX 10 RESIN**Supersedes date** 30/09/2013**SDS number** 10625**Risk phrases in full**

R20/21 Harmful by inhalation and in contact with skin.

R36/38 Irritating to eyes and skin.

R43 May cause sensitisation by skin contact.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard statements in full

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H411 Toxic to aquatic life with long lasting effects.

Disclaimer

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.