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

1.1. Product identifier

Product form : Mixture

Product name : EPW-A

Type of product : A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

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

1.2.1. Relevant identified uses

No additional information available

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Sidec
Industrieweg 10
2490 Balen - BELGIE
T +32 14 81 50 01
safety@sidec.be - www.sidec.eu

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
Belgium	Centre Anti-Poisons/Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn 1 1120 Bruxelles/Brussel	+32 70 245 245

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

EUH-statements : EUH205 - Contains epoxy constituents. May produce an allergic reaction.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
1-Methoxy-2-propanol	(CAS-No.) 107-98-2 (EC-No.) 203-539-1 (EC Index-No.) 603-064-00-3 (REACH-no) 01-2119457435-35	5 – 9,5	Flam. Liq. 3, H226 STOT SE 3, H336
Benzylic alcohol	(CAS-No.) 100-51-6 (EC-No.) 202-859-9 (EC Index-No.) 603-057-00-5 (REACH-no) 01-2119492630-38	3 – 4,5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

First-aid measures after skin contact : Take off contaminated clothing and wash it before reuse. Wash skin with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Immediately rinse with water for a prolonged period while holding the eyelids wide open. If eye irritation persists: Get medical advice and attention.

First-aid measures after ingestion : Immediately call a POISON CENTER/doctor. Do not give an unconscious person anything to drink.

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

No additional information available

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : water, carbon dioxide (CO_2), powder and foam.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions : Cool down the containers exposed to heat with a water spray.

Protection during firefighting : Use self-contained breathing apparatus and chemically protective clothing. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Wear suitable protective clothing.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

No additional information available

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Hose down area with water.

6.4. Reference to other sections

Concerning disposal elimination after cleaning, see section 13. Concerning personal protective equipment to use, see section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

7.2. Conditions for safe storage, including any incompatibilities

Storage temperature : 5 – 25

Storage area : Store in a dry place. Store in a closed container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

1-Methoxy-2-propanol (107-98-2)		
EU	IOELV TWA (mg/m³)	375 mg/m³
EU	IOELV TWA (ppm)	100 ppm

1-Methoxy-2-propanol (107-98-2)		
EU	IOELV STEL (mg/m³)	568 mg/m³
EU	IOELV STEL (ppm)	150 ppm
Belgium	Limit value (mg/m³)	184 mg/m³
Belgium	Limit value (ppm)	50 ppm
Belgium	Short time value (mg/m³)	369 mg/m³
Belgium	Short time value (ppm)	100 ppm
France	VME (mg/m³)	188 mg/m³
France	VME (ppm)	50 ppm
France	VLE (mg/m³)	375 mg/m³
France	VLE (ppm)	100 ppm
Netherlands	Grenswaarde TGG 8H (mg/m³)	375 mg/m³
Netherlands	Grenswaarde TGG 8H (ppm)	100 ppm
Netherlands	Grenswaarde TGG 15MIN (mg/m³)	563 mg/m³
Netherlands	Grenswaarde TGG 15MIN (ppm)	150 ppm
United Kingdom	WEL TWA (mg/m³)	375 mg/m³
United Kingdom	WEL TWA (ppm)	100 ppm
United Kingdom	WEL STEL (mg/m³)	560 mg/m³
United Kingdom	WEL STEL (ppm)	150 ppm
USA - ACGIH	ACGIH TWA (ppm)	50 ppm
USA - ACGIH	ACGIH STEL (ppm)	100 ppm

8.2. Exposure controls

Appropriate engineering controls : Ensure adequate air ventilation.

Hand protection : protective gloves. Recommended materials. Protecting gloves from butyl rubber >480 min (EN 374) >0,5 mm. Nitrile rubber gloves. 5 (> 240 minutes). Unsuitable materials. Natural rubber. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed. Gloves must be replaced after each use and whenever signs of wear or perforation appear

Eye protection : Chemical goggles or face shield

Skin and body protection : Complete protective clothing

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. High gas/vapour concentration: gas mask with filter type A

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Colour : white.
Odour : slight.
Odour threshold : No data available
pH : No data available
Relative evaporation rate (butylacetate=1) : No data available
Melting point : No data available
Freezing point : No data available
Boiling point : 60 – 100
Flash point : > 94
Auto-ignition temperature : > 450
Decomposition temperature : No data available
Flammability (solid, gas) : No data available
Vapour pressure : < 20 hPa
Relative vapour density at 20 °C : No data available
Relative density : No data available
Density : ≈ 1,1 kg/l
Solubility : No data available
Partition coefficient n-octanol/water (Log Pow) : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : 350 – 800 mPa·s

Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	1,3 – 11,5 1,3 vol % 11,5

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Product is stable.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

High temperature.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

carbon oxides (CO and CO2).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

EPW-A	
LD50 oral rat	> 2000 mg/kg

Benzylic alcohol (100-51-6)	
LD50 oral rat	1620 mg/kg bodyweight (Rat; Experimental value))
LC50 inhalation rat (mg/l)	> 4,178 mg/l air (OECD 403: Acute inhalation toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (aerosol))

1-Methoxy-2-propanol (107-98-2)	
LD50 oral rat	4016 mg/kg bodyweight (EU method B.1 tris: Acute oral toxicity - Method for determination of acute toxicity class, Rat, Male / female, Experimental value, Oral)
LD50 dermal rat	> 2000 mg/kg bodyweight (Other, 24h, Rat, Male / Female, Experimental value, Dermal)

Skin corrosion/irritation	:	Not classified
Serious eye damage/irritation	:	Not classified
Respiratory or skin sensitisation	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified
Reproductive toxicity	:	Not classified
STOT-single exposure	:	Not classified
STOT-repeated exposure	:	Not classified
Aspiration hazard	:	Not classified

SECTION 12: Ecological information

12.1. Toxicity

Benzylic alcohol (100-51-6)	
LC50 fish 1	460 mg/l (EPA OPP 72-1, 96 h, Pimephales promelas, Static system, Fresh water, Experimental value, Nominal concentration)
EC50 Daphnia 1	230 mg/l (OECD 202: Acute Immobilization Study in Daphnia sp., 48 h, Daphnia magna, Fresh water, Experimental value, GLP)
LC50 fish 2	10 mg/l (96 h; Lepomis macrochirus)
ErC50 (algae)	770 mg/l (OECD 201: Algae: growth inhibition study, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
Threshold limit algae 1	640 mg/l (96 h; Scenedesmus quadricauda)

1-Methoxy-2-propanol (107-98-2)	
LC50 fish 1	≥ 1000 mg/l (Equivalent to or corresponding to OECD 203, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value, Nominal concentration)
ErC50 (algae)	> 1000 mg/l (Other, 168 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)

12.2. Persistence and degradability

Benzylic alcohol (100-51-6)	
Persistence and degradability	easily degradable in the soil. readily degradable in water.
Biochemical oxygen demand (BOD)	1,6 g O_2/g substance
Chemical oxygen demand (COD)	2,4 g O_2/g substance
ThOD	2,5 g O_2/g substance

1-Methoxy-2-propanol (107-98-2)	
Persistence and degradability	easily degradable in the soil. readily degradable in water.
ThOD	1,95 g O_2/g substance

12.3. Bioaccumulative potential

Benzylic alcohol (100-51-6)	
Partition coefficient n-octanol/water (Log Pow)	1 – 1,1 20 °c Experimental value
Bioaccumulative potential	Low bioaccumulation potential.

1-Methoxy-2-propanol (107-98-2)	
BCF fish 1	1 (Pimephales promelas)
Partition coefficient n-octanol/water (Log Pow)	< 1
Bioaccumulative potential	No bioaccumulation expected.

12.4. Mobility in soil

Benzylic alcohol (100-51-6)	
Surface tension	39 mN/m (20 °C)
Ecology - soil	No supplementary information available.

1-Methoxy-2-propanol (107-98-2)	
Surface tension	0,0707 N/m (20 ° C, 1 g / l, OECD 115: Surface tension of aqueous solutions)
Ecology - soil	little. Adsorption in soil.

12.5. Results of PBT and vPvB assessment

Component	
Benzylic alcohol (100-51-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
1-Methoxy-2-propanol (107-98-2)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

No additional information available

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable
Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable
Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

14.6. Special precautions for user

- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

Carriage prohibited (ADN) : No
Not subject to ADN : No

- Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany

Regulatory reference : WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1)
Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen	:	None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding	:	None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid	:	None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	:	None of the components are listed

Denmark

Classification remarks	:	Emergency management guidelines for the storage of flammable liquids must be followed
Recommendations Danish Regulation	:	People who have eczema or allergy to epoxy, may not work with the material The requirements from the Danish Working Environment Authorities regarding work with epoxy resins and isocyanates must be observed during use and disposal

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Flam. Liq. 3	Flammable liquids, Category 3
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
EUH205	Contains epoxy constituents. May produce an allergic reaction.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.