

# SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: 2110 Epo-Prime

Creation date: 18.11.2020, Revision: 28.11.2023, Version: 4.0

## Section 1: Identification of the substance/mixture and of the company/undertaking

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### 1.1 Product identifier

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**Product name**

2110 Epo-Prime

**UFI:**

45U5-JOVA-K007-KNC8



<https://my.chemius.net/p/pm0ck4/en/pd/en>

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

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**Relevant identified uses**

No information.

**Uses advised against**

No information.

### 1.3 Details of the supplier of the safety data sheet

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**Supplier**

SILCO d.o.o.  
Sentrupert 5a  
3303 Gomilsko, Slovenia  
+386 3 703 3180  
msds@silco.si

**Manufacturer**

SILCO, D.O.O.  
Šentrupert 5 a  
3303 Gomilsko, Slovenia  
+386 3 703 3180  
msds@silco.si

### 1.4 Emergency Telephone Number

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**Emergency**

112

**Supplier**

112

## Section 2: Hazards identification

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### 2.1 Classification of the substance or mixture

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

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Flam. Liq. 3; H226 Flammable liquid and vapour.  
Skin Irrit. 2; H315 Causes skin irritation.  
Skin Sens. 1; H317 May cause an allergic skin reaction.  
Eye Irrit. 2; H319 Causes serious eye irritation.  
Aquatic Chronic 3; H412 Harmful to aquatic life with long lasting effects.

## 2.2 Label elements

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



### Signal word: **WARNING**

H226 Flammable liquid and vapour.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H412 Harmful to aquatic life with long lasting effects.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
P337 + P313 If eye irritation persists: Get medical advice/attention.  
P403 + P235 Store in a well-ventilated place. Keep cool.  
P501 Dispose of contents/container in accordance with national regulation.

### Contains:

reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight  $\leq 700$ )

## 2.3 Other hazards

### PBT/vPvB

No information.

### Endocrine disrupting properties

The product does not contain substances with the potential for endocrine disorders.

### Additional information

No information.

## Section 3: Composition/information on ingredients

### 3.1 Substances

For mixtures see 3.2.

### 3.2 Mixtures

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Name	CAS EC Index Reach	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Concentration Limits
<b>reacti on produ ct: bisph enol- A- (epic hlorh ydrin) , epox y resin (num ber avera ge mole cular weig ht ≤ 700)</b>	25068-38-6 500-033-5 603-074-00-8	15-20	Skin Irrit. 2; H315 Skin Sens. 1; H317 Eye Irrit. 2; H319 Aquatic Chronic 2; H411	Skin Irrit. 2; H315; C ≥ 5% Eye Irrit. 2; H319; C ≥ 5%
<b>xylene</b>	1330-20-7 215-535-7 601-022-00-9	10-12,5	Flam. Liq. 3; H226 Acute Tox. 4; H312 Skin Irrit. 2; H315 Acute Tox. 4; H332	/
<b>1-methoxy-2-propanol</b>	107-98-2 203-539-1 603-064-00-3	3-5	Flam. Liq. 3; H226 STOT SE 3; H336	/
<b>2-methoxy-1-methylethyl acetate</b>	108-65-6 203-603-9 607-195-00-7	3-5	Flam. Liq. 3; H226	/

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Name	CAS EC Index Reach	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Concentration Limits
<b>2-methylpropylol</b>	78-83-1 201-148-0 603-108-00-1	1-3	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H335 STOT SE 3; H336	/
<b>ethyl benzene</b>	100-41-4 202-849-4 601-023-00-4	1-3	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Acute Tox. 4; H332 STOT RE 2; H373	/
<b>Naphtha (petroleum), light aromatic</b>	64742-95-6 265-199-0 649-356-00-4	0,5-1	Flam. Liq. 1; H224 Asp. Tox. 1; H304 STOT SE 3; H335 STOT SE 3; H336 EUH066	/

## Notes for substances

**C** Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers.

In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

**P** The harmonised classification as a carcinogen or mutagen applies unless it can be shown that the substance contains less than 0,1 % w/w benzene (Einecs No 200-753-7), in which case a classification in accordance with Title II of this Regulation shall be performed also for those hazard classes.

Where the substance is not classified as a carcinogen or mutagen, at least the precautionary statements (P102-)P260-P262-P301 + P310-P331 shall apply.

## Section 4: First aid measures

### 4.1 Description of first aid measures

#### General notes

Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency.

#### Following inhalation

Remove patient to fresh air - move out of dangerous area. If victim is not breathing give artificial respiration. If symptoms develop and persist, seek medical attention.

#### Following skin contact

Wash affected skin areas immediately with plenty of water and soap. If symptoms develop and persist, seek medical attention. Take off all contaminated clothing.

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## **Following eye contact**

Immediately flush eyes with running water, keeping eyelids apart. If irritation persists, seek professional medical attention.

## **Following ingestion**

Rinse mouth thoroughly with water. Do not induce vomiting! Immediately consult a doctor.

## **4.2 Most important symptoms and effects, both acute and delayed**

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### **Following inhalation**

Because of breathing vapours at high concentrations symptoms like headache, dizziness, nausea and unconsciousness.

### **Following skin contact**

May cause sensitisation by skin contact (symptoms: itching, redness, rashes). Itching, redness, pain.

### **Following eye contact**

Redness, tearing, pain.

### **Following ingestion**

No information.

## **4.3 Indication of any immediate medical attention and special treatment needed**

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No information.

## **Section 5: Firefighting measures**

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### **5.1 Extinguishing media**

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#### **Suitable extinguishing media**

Carbon dioxide. Dry chemical powder. Water spray. Alcohol resistant foam.

#### **Unsuitable extinguishing media**

Full water jet.

### **5.2 Special hazards arising from the substance or mixture**

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#### **Hazardous combustion products**

No information.

### **5.3 Advice for firefighters**

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#### **Protective actions**

In case of fire or heating do not breathe fumes/vapours. Cool containers at risk with water spray. If possible remove containers from endangered area.

#### **Special protective equipment for fire-fighters**

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (EN 137).

#### **Additional information**

No information.

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## Section 6: ACCIDENTAL RELEASE MEASURES

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### 6.1 Personal precautions, protective equipment and emergency procedures

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#### For non-emergency personnel

##### Protective equipment

Use personal protective equipment (Section 8).

##### Precautionary measures

Ensure adequate ventilation. Keep away from sources of ignition and/or heat; No smoking!

##### Emergency procedures

No information.

#### For emergency responders

No information.

### 6.2 Environmental precautions

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Do not allow product to reach water/drains/sewage systems or permeable soil. If accidental large entry into water or ground occurs, inform responsible authorities.

### 6.3 Methods and material for containment and cleaning up

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#### For containment

No information.

#### For cleaning up

Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor.

#### Other information

No information.

### 6.4 Reference to other sections

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See also sections 8 and 13.

## Section 7: Handling and storage

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### 7.1 Precautions for safe handling

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#### Protective measures

##### Measures to prevent fire

Ensure adequate ventilation. Keep away from sources of ignition - no smoking.

##### Measures to prevent aerosol and dust generation

No information.

##### Measures to protect the environment

No information.

#### Other measures

No information.

#### Advice on general occupational hygiene

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Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Avoid contact with skin and eyes. Do not breathe vapours/mist.

## 7.2 Conditions for safe storage, including any incompatibilities

### Technical measures and storage conditions

Keep in cool and well ventilated area. Protect from open fire, heat and direct sunlight. Keep away from food, drink and animal feeding stuffs.

### Packaging materials

No information.

### Requirements for storage rooms and vessels

No information.

### Storage class

No information.

### Further information on storage conditions

No information.

## 7.3 Specific end use(s)

### Recommendations

No information.

### Industrial sector specific solutions

No information.

## Section 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure limit values

Name	mg/m <sup>3</sup>	ml/m <sup>3</sup>	Short-term value mg/m <sup>3</sup>	Short-term value ml/m <sup>3</sup>	Remark	Biological Tolerance Values
<b>Ethylbenzene (100-41-4)</b>	441	100	552	125	Sk	/

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Name	mg/m <sup>3</sup>	ml/m <sup>3</sup>	Short-term value mg/m <sup>3</sup>	Short-term value ml/m <sup>3</sup>	Remark	Biological Tolerance Values
<b>Xylene, o-,m-,p - or mixed isomers (1330- 20-7)</b>	220	50	441	100	Sk, BMGV	650 mmol methyl hippuric acid/mol creatinine in urine - Post shift 650 mmol methyl hippuric acid/mol creatinine in urine - Post shift 650 mmol methyl hippuric acid/mol creatinine in urine - Post shift
<b>1- Methox ypropa n-2-ol (107- 98-2)</b>	375	100	560	150	Sk	/
<b>1- Methox ypropyl acetate (108- 65-6)</b>	274	50	548	100	Sk	/
<b>2- Methylp ropan- 1-ol (78- 83-1)</b>	154	50	231	75	/	/
<b>Barium sulphat e inhalabl e dust (7727- 43-7)</b>	10	/	/	/	/	/

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Name	mg/m <sup>3</sup>	ml/m <sup>3</sup>	Short-term value mg/m <sup>3</sup>	Short-term value ml/m <sup>3</sup>	Remark	Biological Tolerance Values
<b>Barium sulphate respirable dust (7727-43-7)</b>	4	/	/	/	/	/
<b>Talc, respirable dust (14807-96-6)</b>	1	/	/	/	/	/

## Information on monitoring procedures

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values. BS EN 482:2021 Workplace exposure. Procedures for the determination of the concentration of chemical agents. Basic performance requirements.

## DNEL/DMEL values

### For product

No information.

### For components

No information.

## PNEC values

### For product

No information.

### For components

No information.

## 8.2 Exposure controls

### Appropriate engineering control

#### Substance/mixture related measures to prevent exposure during identified uses

Use good personal hygiene practices – wash hands at breaks and when done working with material.

#### Structural measures to prevent exposure

No information.

#### Organisational measures to prevent exposure

No information.

#### Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration.

#### Personal protective equipment

##### Eye and face protection

Safety glasses with side protection (BS EN ISO 16321-1:2022).

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## Hand protection

Protective gloves (EN ISO 374-1:2016).

## Appropriate materials

Material	Thickness	Penetration Time	Remark
<b>Butyl rubber</b>	/	/	/
<b>nitrile rubber</b>	/	/	/
<b>PVC</b>	/	/	/

## Skin protection

Cotton protective clothing and shoes that cover the entire foot (EN ISO 20345:2022).

## Respiratory protection

In case of insufficient ventilation wear suitable respiratory protection. Wear suitable protective breathing mask (EN 136) with filter A2-P2 (EN 14387).

## Thermal hazards

No information.

## Environmental exposure controls

### Substance/mixture related measures to prevent exposure

No information.

### Instruction measures to prevent exposure

No information.

### Organisational measures to prevent exposure

No information.

### Technical measures to prevent exposure

No information.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

#### Physical state

liquid

#### Colour

gray

#### Odour

solvent like

#### Important health, safety and environmental information

<b>Odour threshold</b>	No information.
<b>Melting point/Freezing point</b>	No information.
<b>Boiling point or initial boiling point and boiling range</b>	No information.
<b>Flammability</b>	No information.
<b>Lower and upper explosion limit</b>	No information.
<b>Flash point</b>	25 °C
<b>Auto-ignition temperature</b>	No information.

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<b>Decomposition temperature</b>	No information.
<b>pH</b>	substance/mixture is non-polar/aprotic
<b>Viscosity</b>	kinematic: > 40 s (Ford 8)
<b>Solubility</b>	No information.
<b>Partition coefficient</b>	No information.
<b>Vapour pressure</b>	No information.
<b>Density and/or relative density</b>	Density: 1.65 g/cm <sup>3</sup>
<b>Relative vapour density</b>	No information.
<b>Particle characteristics</b>	No information.

## 9.2 Other information

<b>Weight organic solvents</b>	455 g/l (VOC) 540 g/l (VOC (RFU))
<b>Explosive properties</b>	No information.

## Section 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

No information.

### 10.2 Chemical stability

Product is stable under normal conditions of use, recommended handling and storage conditions.

### 10.3 Possibility of hazardous reactions

No information.

### 10.4 Conditions to avoid

No special precautions required. Consider the directions for use and storage.

### 10.5 Incompatible materials

Flammable material.

### 10.6 Hazardous decomposition products

Under normal use conditions no hazardous decomposition products are expected. In case of fire/explosion vapours/gases that pose a health hazard are released.

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## Section 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### (a) Acute toxicity

##### For components

Name	Exposure route	Type	Species	Time	value	Method	Remark
xylene	oral	LD <sub>50</sub>	rat	/	930 mg/kg	/	/
1-methoxy-2-propanol	oral	LD <sub>50</sub>	rat	/	6000 mg/kg	/	/
1-methoxy-2-propanol	dermal	LD <sub>50</sub>	rabbit	/	11000 mg/kg	/	/
reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	oral	LD <sub>50</sub>	rat	/	5000 mg/kg	/	/
2-methylpropan-1-ol	oral	LD <sub>50</sub>	rat	/	2460 mg/kg	/	/
2-methoxy-1-methylethyl acetate	dermal	LD <sub>50</sub>	rat	/	5000 mg/kg	/	/
2-methoxy-1-methylethyl acetate	oral	LD <sub>50</sub>	rat	/	8532 mg/kg	/	/
ethylbenzene	oral	LD <sub>50</sub>	rat	/	4710 mg/kg	/	/
ethylbenzene	oral	LD <sub>50</sub>	rat	/	3500 mg/kg	/	/

#### (b) Skin corrosion/irritation

##### For components

Name	Species	Time	result	Method	Remark
xylene	/	/	Irritating.	/	/
1-methoxy-2-propanol	/	/	Irritating.	/	/
reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	/	/	Irritating.	/	/

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## (c) Serious eye damage/irritation

### For components

Name	Exposure route	Species	Time	result	Method	Remark
<b>xylene</b>	/	/	/	Irritating.	/	/
<b>1-methoxy-2-propanol</b>	/	/	/	Irritating.	/	/

## (d) Respiratory or skin sensitisation

No information.

## (e) (Germ cell) mutagenicity

No information.

## (f) Carcinogenicity

No information.

## (g) Reproductive toxicity

No information.

## Summary of evaluation of the CMR properties

No information.

## (h) STOT-single exposure

### For components

Name	Exposure route	Type	Species	Time	Exposure	organ	value	result	Method	Rem
<b>xylene</b>	inhalation	/	/	/	/	/	/	Irritates respiratory system.	/	/
<b>1-methoxy-2-propanol</b>	inhalation	/	/	/	/	/	/	Irritates respiratory system.	/	/

## (i) STOT-repeated exposure

No information.

## (j) Aspiration hazard

No information.

## Symptoms related to the physical, chemical and toxicological characteristics

No information.

## Interactive effects

No information.

## 11.2 Information on other hazards

### Endocrine disrupting properties

The product does not contain substances with the potential for endocrine disorders.

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## Other information

No information.

## Section 12: Ecological information

### 12.1 Toxicity

#### Acute (short-term) toxicity

##### For components

Name	Type	value	Exposure time	Species	organism	Method	Remark
xylene	EC <sub>50</sub>	7.4 mg/L	48 h	crustacea	/	/	/
1-methoxy-2-propanol	EC <sub>50</sub>	500 mg/L	48 h	crustacea	/	/	/
1-methoxy-2-propanol	LC <sub>50</sub>	4600 mg/L	96 h	fish	/	/	/
reaction product: bisphenol -A- (epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	LC <sub>50</sub>	2.4 mg/L	96 h	fish	/	/	/
reaction product: bisphenol -A- (epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	EC <sub>50</sub>	220 mg/L	96 h	algae	/	/	/

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Name	Type	value	Exposure time	Species	organism	Method	Remark
<b>2-methylpropan-1-ol</b>	LC <sub>50</sub>	1430 mg/L	96 h	fish	/	/	/
<b>2-methylpropan-1-ol</b>	EC <sub>50</sub>	1439 mg/L	48 h	crustacea	/	/	/
<b>2-methoxy-1-methylethyl acetate</b>	LC <sub>50</sub>	100 - 180 mg/L	96 h	fish	/	/	/
<b>2-methoxy-1-methylethyl acetate</b>	EC <sub>50</sub>	500 mg/L	48 h	crustacea	/	/	/
<b>ethylbenzene</b>	EC <sub>50</sub>	33 mg/L	72 h	algae	/	/	/
<b>ethylbenzene</b>	LC <sub>50</sub>	12 mg/L	96 h	fish	/	/	/

## Chronic (long-term) toxicity

No information.

## 12.2 Persistence and degradability

### Abiotic degradation, physical- and photo-chemical elimination

No information.

### Biodegradation

#### For components

Name	Type	Rate	Time	Evaluation	Method	Remark
<b>1-methoxy-2-propanol</b>	aerobic	%	/	readily biodegradable	OECD 301 E	/
<b>2-methylpropan-1-ol</b>	aerobic	%	/	readily biodegradable	OECD 301 D	/
<b>ethylbenzene</b>	aerobic	%	/	/	OECD 301 A (Modified AFNOR Test)	/

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## 12.3 Bioaccumulative potential

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### Partition coefficient

No information.

### Bioconcentration factor (BCF)

No information.

## 12.4 Mobility in soil

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### Known or predicted distribution to environmental compartments

No information.

### Surface tension

No information.

### Adsorption/Desorption

No information.

## 12.5 Results of PBT and vPvB assessment

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No evaluation.

## 12.6 Endocrine disrupting properties

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The product does not contain substances with the potential for endocrine disorders.

## 12.7 Other adverse effects

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No information.

## 12.8 Additional information

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### For product

Do not allow to reach ground water, water courses or sewage system.

### For components

**reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight  $\leq 700$ )**

Do not allow to reach ground water, water bodies or sewage systems.

### **2-methoxy-1-methylethyl acetate**

Water hazard class 1 (Self-assessment): slightly hazardous for water

## Section 13: Disposal considerations

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### 13.1 Waste treatment methods

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#### Product / Packaging disposal

#### Waste chemical

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Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste.

**Waste codes / waste designations according to LoW**

No information.

**Packaging**

Deliver completely emptied containers to approved waste disposal authorities.

**Waste codes / waste designations according to LoW**

No information.

**Waste treatment-relevant information**

No information.





**Sewage disposal-relevant information**

No information.

**Other disposal recommendations**

No information.

## Section 14: Transport information

ADR/RID	IMDG	IATA	ADN
<b>14.1 UN number or ID number</b>			
UN 1263	UN 1263	UN 1263	UN 1263
<b>14.2 UN proper shipping name</b>			
PAINT	PAINT	PAINT	PAINT
<b>14.3 Transport hazard class(es)</b>			
3	3	3	3
			
<b>14.4 Packing group</b>			
III	III	III	III
<b>14.5 Environmental hazards</b>			
NO	NO	NO	NO
<b>14.6 Special precautions for user</b>			

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ADR/RID	IMDG	IATA	ADN
Limited quantities 5 L Special provisions 163, 367, 650 Packing Instructions P001, IBC03, LP01, R001 Special packing provisions PP1 Transport category 3 Tunnel restriction code (D/E) Classification code F1	Limited quantities 5 L EmS F-E, <u>S-E</u> Flash point 25 °C	Limited Quantity, Packing Instructions (Ltd Qty, Pkg Inst) Y344 Limited Quantity, Maximum Net Quantity/Package (Ltd Qty, Max Net Qty/Pkg) 10 L Packing Instructions (Pkg Inst) 355 Maximum Net Quantity/Package (Max Net Qty/Pkg) 25 L Cargo Aircraft Only, Packing Instructions (CAO, Pkg Inst) 366 Special provisions A3, A72, A192 ERG code 3L	Limited quantities 5 L
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	Goods may not be carried in bulk in bulk containers, containers or vehicles.		

## Section 15: Regulatory information

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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2020/878)

- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

#### Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

EU limit values and category: B(c) 540 g/l. VOC Content: 475 g/l

#### Ingredients according to Regulation (EC) No 648/2004 on detergents

# SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **2110 Epo-Prime**

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No information.

## **Special instructions**

No information.

## **15.2 Chemical Safety Assessment**

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## **Section 16: Other information**

### **Indication of changes**

2.2 Label elements 2.3 Other hazards 4.2 Most important symptoms and effects, both acute and delayed 6.3 Methods and material for containment and cleaning up 9.1 Information on basic physical and chemical properties 9.2 Other information 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 11.2 Information on other hazards 12.1 Toxicity 12.6 Endocrine disrupting properties 14. Transport information 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

### **Key literature references and sources for data**

No information.

### **Abbreviations and acronyms**

ATE - Acute Toxicity Estimate  
ADR - Agreement concerning the International Carriage of Dangerous Goods by Road  
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
CEN - European Committee for Standardisation  
C&L - Classification and Labelling  
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008  
CAS# - Chemical Abstracts Service number  
CMR - Carcinogen, Mutagen, or Reproductive Toxicant  
CSA - Chemical Safety Assessment  
CSR - Chemical Safety Report  
DMEL - Derived Minimal Effect Level  
DNEL - Derived No Effect Level  
DPD - Dangerous Preparations Directive 1999/45/EC  
DSD - Dangerous Substances Directive 67/548/EEC  
DU - Downstream User  
EC - European Community  
ECHA - European Chemicals Agency  
EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)  
EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)  
EEC - European Economic Community  
EINECS - European Inventory of Existing Commercial Substances  
ELINCS - European List of notified Chemical Substances  
EN - European Standard  
EQS - Environmental Quality Standard  
EU - European Union  
Euphrac - European Phrase Catalogue  
EWC - European Waste Catalogue (replaced by LoW - see below)  
GES - Generic Exposure Scenario  
GHS - Globally Harmonized System  
IATA - International Air Transport Association

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ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air  
IMDG - International Maritime Dangerous Goods  
IMSBC - International Maritime Solid Bulk Cargoes  
IT - Information Technology  
IUCLID - International Uniform Chemical Information Database  
IUPAC - International Union for Pure Applied Chemistry  
JRC - Joint Research Centre  
Kow - octanol-water partition coefficient  
LC50 - Lethal Concentration to 50 % of a test population  
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)  
LE - Legal Entity  
LoW - List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)  
LR - Lead Registrant  
M/I - Manufacturer / Importer  
MS - Member States  
MSDS - Material Safety Data Sheet  
OC - Operational Conditions  
OECD - Organization for Economic Co-operation and Development  
OEL - Occupational Exposure Limit  
OJ - Official Journal  
OR - Only Representative  
OSHA - European Agency for Safety and Health at work  
PBT - Persistent, Bioaccumulative and Toxic substance  
PEC - Predicted Effect Concentration  
PNEC(s) - Predicted No Effect Concentration(s)  
PPE - Personal Protection Equipment  
(Q)SAR - Qualitative Structure Activity Relationship  
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
RIP - REACH Implementation Project  
RMM - Risk Management Measure  
SCBA - Self-Contained Breathing Apparatus  
SDS - Safety data sheet  
SIEF - Substance Information Exchange Forum  
SME - Small and Medium sized Enterprises  
STOT - Specific Target Organ Toxicity  
(STOT) RE - Repeated Exposure  
(STOT) SE - Single Exposure  
SVHC - Substances of Very High Concern  
UN - United Nations  
vPvB - Very Persistent and Very Bioaccumulative

## List of relevant H phrases

H224 Extremely flammable liquid and vapour.  
H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.

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H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.