

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product identifier:****Product name:** EPOXY PRIMER SOLL EP 2+1**Article number:** S-EP 1**1.2. Relevant identified uses of the substance or mixture and uses advised against:** Two-component epoxy filling primer that provides active anti-corrosion protection for cars, buses and trucks. The product exhibits very good adhesion to steel, galvanized steel, aluminum, polyester laminates. For professional use in the industry.**1.3. Manufacturer/Supplier:**

UAB HELVINA

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Lithuania

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Fax: +370 37308902

E-mail: [info@helvina.lt](mailto:info@helvina.lt)[www.helvina.lt](http://www.helvina.lt)**1.4. Further information obtainable from:** Laboratory**Emergency telephone number:**

Poison control and information office: Tel.: +370 5 236 2052 or +370 687 53378

**2. HAZARDS IDENTIFICATION****2.1. Classification of the substance or mixture****Regulation 1272/2008 (CLP) and following amendments and adjustments**

Mixture was classified as causing danger.

Hazard classification and indication:

Flam. Liq. 3 H226 Flammable liquid and vapour

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Irrit. 2 H315 Causes skin irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

**2.2. Label elements**

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Pictograms:



GHS02

Warning:



GHS07

DANGER

**Hazard indication:**

H226 Flammable liquid and vapour.

H319 Causes serious eye irritation.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

**Caution recommendations:**

P210 Keep away from heat / sparks / open flames / hot surfaces. No smoking.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves / protective clothing / eye protection / face protection.

P302+352: IF ON SKIN: Wash with plenty of water with soap

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P312 Call a POISON CENTER or doctor / physician if you feel unwell.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**2.3. Other hazards.**

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Product does not contain ingredients that fulfill PBT or PvB criteria.















### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**3.1. Substances:**

No substances fulfill the criteria set forth in annex II section A of the REACH regulation (EC) no 1907/2006.

**3.2. Mixtures:**

Contains (Classification 67/548/EEC and 1272/2008 (CLP)):

CAS: 1330-20-7 EINECS: 215-535-7 INDEX.: 601-022-00-9 Reg. no.: 01-2119488216-32-XXXX	Xylene (mixture of isomers)  Xn;  Xi; R10; R 20/21; R38  Flam. Liq. 3 H226,  Acute Tox. 4 H332,  Acute Tox. 4 H312, Skin Irrit. 2 H315	< 10 %
CAS: 25068-38-6 EINECS: 205-563-8 INDEX.: - Reg. no.: -	Bisphenol-A – epoxy resins  Xi; R36/38; R43 Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. H317	< 20 %
CAS: 71-36-3 EINECS: 200-751-6 INDEX.: 603-004-00-6 Reg. no.: 01-2119484630-38-XXXX	Butane-1-ol  Xn; R22;  Xi; R 37/38; R41; R10; R67  Flam. Liq. 3 H226,  Acute Tox. 4 H302,  STOT SE 3, H335; Skin Irrit. 2, H315; Eye Dam. 1, H318;  STOT SE 3, H336	< 5 %
CAS: 108-65-6 EINECS: 203-603-9 INDEX: 607-195-00-7 REACH no: 01-2119475791-29-XXXX	2-methoxy-1-methylethyl acetate R10;  Xi; R36  Flam. Liq. 3, H226; Eye Irrit. 2 H319	< 5 %

The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet.

### 4. FIRST AID MEASURES

**4.1. Description of first aid measures**

As a general rule, in case of doubt or if symptoms persist, always call a doctor or seek medical attention.

**INHALATION:** Remove to fresh air. Put in comfortable position. Provide warmth and peace. Make sure respiration is not obstructed. Get immediate medical attention if needed.**SKIN CONTACT:** Wash with soap and large amounts of water. Remove contaminated clothing. Get medical attention if irritation develops or persists. Wash contaminated clothing before re-use. If irritation persists consult dermatologist.**EYE CONTACT:** Remove contact lenses if wearing and flush open eyes with running water for at least 15-20 minutes. Place the upper eyelid on the lower eyelid from time to time. Cover the eyes with compress. Seek medical attention.**INGESTION:** Wash out mouth with water. Give 2-3 glasses of water. Do not induce vomiting. Do not serve anything orally to unconscious person. Get immediate medical attention. Transport to hospital when needed. Provide peace and warmth for the injured. Place the injured in horizontal position.**4.2. Most important symptoms and effects, both acute and delayed**

Information not available.

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

Workplace should be equipped with first-aid means that allow immediate pre-medical help.

Person providing first-aid should wear medical gloves.

### 5. FIRE-FIGHTING MEASURES

**5.1. Extinguishing media**

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SUITABLE EXTINGUISHING MEDIA: carbon dioxide, alcohol resistant foam, dry chemical.  
EXTINGUISHING MEDIA WHICH SHALL NOT BE USED FOR SAFETY REASONS:  
Do not use water jet on the burning product. It scatters the product and spreads the sources of fire.

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

Flammable liquid and fumes.

Decomposition products consist of toxic fumes, carbon monoxide and dioxide.

**Explosive mixture:**

When the temperature is increased the containers may explode.

**5.3. Advice for fire-fighters**

Use standard methods of extinguishing chemical fires.

Containers subject to high heat must be cooled with water. If possible remove them from the danger zone.

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**Additional information:**

Containers may burst when overheated.

**6. ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

No action shall be taken involving any personal risk or without suitable training.

Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment (see section 8). In case the material is spilt – all the users should be warned and removed from the contaminated area.

**6.2. Environmental precautions**

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Protect drains.

**6.3. Methods and material for containment and cleaning up**

Small spills: Remove any potential ignition sources. Do not smoke. Protect damaged containers. Provide good ventilation and avoid inhalation. Pour rampart material on the route of moving spilt mixture. Contain and collect spillage with noncombustible, absorbent material, e.g., sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Collected material should be stored in substitute container and disposed.

Larger spills: Contain and collect spillage with noncombustible, absorbent material, e.g., sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Collected material should be stored in substitute container and disposed.

**6.4. Reference to other sections**

For personal protective equipment: see section 8

For waste disposal instructions: see section 13

For emergency contact information: see section 1

**7. HANDLING AND STORAGE****7.1 Precautions for safe handling**

Product was designed for professional use in the industry. Use according to directions. Put on appropriate personal protective equipment (see section 8). People who have had skin allergies, asthma, chronic and repeated respiratory tract disorders – should not be a part of any process that includes this product. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store away from sources of heat and direct sunlight. Solvent fumes may create explosive mixture with air. Empty containers retain product residue and can be hazardous. Do not reuse container.

**7.2 Conditions for safe storage, including any incompatibilities**

Keep out of reach of children. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10), sources of heat, ignition and food and drink.

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Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Avoid creation of static electricity near the containers. Use only tools that do not create sparks. Do not use near open fire. Electrical systems should conform to anti-explosion restrictions.

Substitute containers should be made of the same material as the original ones.

Do not use before reading and understanding the safety instructions.

**7.3 Specific end use(s)**

Information not available.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**

**Ingredients with limit values that require monitoring at the workplace:**

BUTANE-1-OL

Short-term value: 150 mg/m<sup>3</sup>

Long-term value: 50 mg/m<sup>3</sup>

XYLENE

Short-term value: -

Long-term value: 100 mg/m<sup>3</sup>

2-METHOXY-1-METHYLETHYL ACETATE

Short-term value: 520 mg/m<sup>3</sup>

Long-term value: 200 mg/m<sup>3</sup>

**8.2 Exposure controls**

Use water spray when there is risk of concentration of explosive gases, vapours or aerosols from the mixture.

Use only in areas with very good ventilation.

**Eye/face protection:**

Use tight safety glasses (goggles) that comply to PN-EN:166:2005

**Hand protection:**

Chemical-resistant, impervious gloves complying with an approved standard (EN374) should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Regular change of gloves is recommended. When wear and tear is noticed – change gloves immediately. Use protective cream on exposed skin. **Do not reuse gloves.**

**IMPORTANT:**

Choice of appropriate protective gloves should include and take under consideration all the necessary factors that are present at a workplace such as: contact with chemicals, physical requirements (thermal protection, wear and tear protection, agility) as well as technical data provided by the manufacturer. When dealing with newly produced polyurethane products – wear protective gloves at all times to avoid vestigial material remainings which can be dangerous in contact with skin.

**Respiratory protection:**

Under normal conditions not needed. Standard ventilation should be enough.

In case of dangerous fumes from the mixture present in the atmosphere use protective equipment that comply with PN-EN 149:2001 norm.

**Environmental exposure control**

No data available

**General health and safety rules:**

Remove immediately contaminated clothes.

Use protective cream for unprotected body parts. Clean hands with soap and water after work with the mixture.

**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties:**

Appearance:	Liquid
Colour:	RAL 7037
Odour:	Distinctive
pH:	Does not concern
Melting point / freezing:	Not available
Boiling point:	> 117 °C / 1013 mbar
Flash point:	520 °C
Flammability (solid, gas):	Flammable
Ignition temperature:	> 22 °C (closed pot)
Density at 20 °C:	1.5 g/cm <sup>3</sup>
Vapour density to air:	> 1
Vapour density /hPa:	8,2 (20 °C)
Bulk density:	Not available
Solubility in water:	Non-soluble in water
Creation of explosive air mixture range:	1,1 – 8,0% by volume
Dynamic viscosity:	Not available

**9.2. Other information:**

Not available.

**10. STABILITY AND REACTIVITY****10.1. Reactivity:**

Under normal conditions the product is not reactive.

**10.2. Chemical stability:**

Under normal conditions the product is stable.

**10.3. Possibility of hazardous reactions:**

Thermal decomposition products contain carbon dioxide and toxic fumes.

**10.4. Conditions to avoid:**

Sources of heat, combustible materials, higher temperatures.

**10.5. Incompatible materials:**

Strong oxidizers.

**10.6. Hazardous decomposition products:**

Under normal use: do not exist.

**11. TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects.****Skin corrosion/irritation**

No data available.

**Serious eye damage/eye irritation**

May cause serious eye damage.

**Germ cell mutagenicity**

No data available.

**Carcinogenicity**

The mixture is not carcinogenic.

**Reproductive toxicity**

The mixture does not show reproductive toxicity.

**Specific target organ toxicity - single exposure**

No data available.

**Developmental disorders****Specific target organ toxicity - repeated exposure**

No data available.

**Aspiration hazard**

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No data available.

**Potential health effects****Inhalation** If larger amounts are inhaled may cause respiratory tract irritation, headaches, dizziness or nausea. Inhalation of fumes may cause mucosa irritation.**Ingestion** Harmful if swallowed. If larger amounts are ingested may cause respiratory tract irritation, headaches, dizziness or nausea.**Skin** Harmful if absorbed through skin. Causes skin irritation.**Eyes** Causes serious eye irritation. May induce lacrimation, redness and irritation.**Signs and Symptoms of Exposure**

Skin inflammation, respiratory tract inflammation, sense of smell disorder.

**Signs and Symptoms of Exposure**

No data available.

**Additional Information**

May cause allergic reaction.

**Contains isocyanates.****12. ECOLOGICAL INFORMATION****12.1. Toxicity:**

Harmful to water organisms causing long-term effects.

**12.2. Persistence and degradability:**

Information not available.

**12.3. Bio accumulative potential:**

Information not available.

**12.4. Mobility in soil:**

Information not available.

**12.5. Results of PBT and vPvB assessment:**

Information not available.

**12.6. Other adverse effects**

Information not available.

**13 DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods:**

Waste of this product are considered hazardous. Do not dispose into sewage system. Do not dispose waste into a community landfill. Avoid contamination of surface and ground waters. Recovery / recycling / utilization of waste containers should be performed in compliance with current legislation.

Waste code

08 01 11

Container waste codes

15 01 02

15 01 04

**14 TRANSPORT INFORMATION****Road and rail transport:**

ADR/RID Class: 3 UN: 1263

Packing Group: III

Label: 3

Proper Shipping Name: PAINT or PAINT RELATED MATERIAL

**Carriage by sea (shipping):**

IMO Class: 3 UN: 1263

Packing Group: III

Label: 3

Proper Shipping Name: PAINT or PAINT RELATED MATERIAL

**Transport by air:**



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IATA: 3 UN: 1263  
Packing Group: III  
Label: 3  
Proper Shipping Name: PAINT or PAINT RELATED MATERIAL

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

\*REGULATION (EC) No 1272/2008 (CLP) of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (REACH).

\*REGULATION (EC) No 1907/2006 OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

\*COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

**15.2. Chemical safety assessment:**

A Chemical Safety Assessment has been carried out for this substance.

**16 OTHER INFORMATION****Text of hazard (H) indications mentioned in section 2-3 of the sheet:**

H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
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.  
H336 May cause drowsiness or dizziness.

**Text of risk (R) phrases mentioned in section 2-3 of the sheet:**

R10 Flammable  
R11 Highly flammable  
R20 Harmful by inhalation  
R20/21 Harmful by inhalation and in contact with skin  
R22 Harmful if swallowed  
R36/38 Irritating to eyes and skin  
R37 Irritating to respiratory system  
R41 Risk of serious damage to eyes  
R43 May cause sensitization by skin contact  
R66 Repeated exposure may cause skin dryness or cracking  
R67 Vapours may cause drowsiness and dizziness

**Abbreviations and Acronyms used in this SDS:**

ADR: European Agreement concerning the carriage of Dangerous goods by Road  
RID: Regulation concerning the international transport of dangerous goods by rail  
IMDG: International Maritime Code for dangerous goods  
IATA: International Air Transport Association  
IATA DGR: International Air Transport Association Dangerous Goods Regulation  
ICAO: International Civil Aviation Organization  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)  
PP: Severe Marine Pollutant

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EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

TLV-TWA: Threshold Limit Value Time Weighted Average

TLV-STEL: Threshold Limit Value Short Term Exposure Limit

**Note for users:**

The information contained in the present sheet is based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product. This document must not be regarded as a guarantee on any specific product property. The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.