GB

#### Safety data sheet according to 1907/2006/EC, Article 31

Version number 1

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

Printing date 07.02.2023

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· 1.1 Product identifier · Trade name: <u>Aerosol SOLL Epoxy Primer white</u> · (Article number) product ID.: S700029W · 1.2 Relevant identified uses of the substance or mixture and uses advised against • Sector of Use SU21 Consumer uses: Private households / general public / consumers · Application of the substance / the mixture: painting · Uses advised against No further relevant information available.  $\cdot$  1.3 Details of the supplier of the safety data sheet · Manufacturer/Supplier: UAB "HELVINA' Parko str. 96 LT-54464 Ramučiai Kaunas distr., Lithuania Tel: +370 37 308 901 Fax: +370 37 308 902 info@helvina.lt www.helvina.lt · Further information obtainable from: Product safety department • 1.4 Emergency telephone number: Tel: +370 5 236 2052 / +370 687 53378 · national: National Poisons Information Service, Birmingham Tel.: 844 892 0111 · K-Nr. 0015 **SECTION 2: Hazards identification** · 2.1 Classification of the substance or mixture · Classification according to Regulation (EC) No 1272/2008 flame H222 Extremely flammable aerosol. Aerosol 1 H229 Pressurised container: May burst if heated. Eye Irrit. 2 H319 Causes serious eye irritation. Skin Sens. 1 H317 May cause an allergic skin reaction. STOT SE 3 H336 May cause drowsiness or dizziness. · 2.2 Label elements · Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the GB CLP regulation. · Hazard pictograms GHS02 GHS07 · Signal word Danger (Contd. on page 2)

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Hazard-determ	ining components of labelling:
acetone	
reaction produc	t: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight 700-1100
propan-2-ol	
<i>n-butyl acetate</i>	
	18-unsatd. dimers, reaction products with N,N-dimethyl-1,3- propanediamine and 1
propanediamine	
Hazard stateme	
H222 Extremely	y flammable aerosol.
	ed container: May burst if heated.
H319 Causes se	erious eye irritation.
H317 May caus	e an allergic skin reaction.
H336 May caus	e drowsiness or dizziness.
Precautionary s	
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P271	Use only outdoors or in a well-ventilated area.
P302+P352	IF ON SKIN: Wash with plenty of water.
<i>P305+P351+P</i> .	338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses
D.2.1.0	present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/doctor if you feel unwell.
<i>P333+P313</i>	If skin irritation or rash occurs: Get medical advice/attention.
<i>P337+P313</i>	If eye irritation persists: Get medical advice/attention.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container in accordance with local/regional/national/internation regulations.
Additional info	
	te ventilation, explosive atmosphere/gas mix may be created.
	rdous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
2.3 Other hazar	ds

• *PBT:* Not applicable. • *vPvB:* Not applicable.

## **SECTION 3: Composition/information on ingredients**

· 3.2 Mixtures

\*

 $\cdot \textit{Description: Mixture of substances listed below with nonhazardous additions.}$ 

· Dangerous components:		
CAS: 115-10-6 EINECS: 204-065-8 Reg.nr.: 01-2119472128-37-xxxx	dimethyl ether 🚸 Flam. Gas 1A, H220; Press. Gas (Comp.), H280, EUH018	25-<50%
CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49-xxxx	acetone Flam. Liq. 2, H225; (1) Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	10-<25%
CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25-xxxx	propan-2-ol Flam. Liq. 2, H225; (1) Eye Irrit. 2, H319; STOT SE 3, H336	5-<10%
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CAS: 123-86-4	n-butyl acetate	ontd. of pag $2.5 < 5^\circ$
EINECS: 204-658-1	♦ Flam. Liq. 3, H226; ♦ STOT SE 3, H336, EUH066	2.5-35
Reg.nr.: 01-2119485493-29-xxxx	♥ Fum. Eq. 5, 11220, ♥ 5101 SE 5, 11550, E011000	
CAS: 1330-20-7	xylene, mixture of isomers	2.5-<59
EINECS: 215-535-7	🚸 Flam. Liq. 3, H226; 🚸 STOT RE 2, H373; Asp. Tox. 1,	
Reg.nr.: 01-2119488216-32-xxxx	H304; 🚯 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit.	
	2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	
CAS: 64-17-5	ethanol	1-<2.59
EINECS: 200-578-6	🚸 Flam. Liq. 2, H225; 🚸 Eye Irrit. 2, H319	
Reg.nr.: 01-2119457610-43-xxxx		
CAS: 141-78-6	ethyl acetate	1-<2.59
EINECS: 205-500-4	Flam. Liq. 2, H225; (1) Eye Irrit. 2, H319; STOT SE 3,	
Reg.nr.: 01-2119475103-46-xxxx		
CAS: 108-65-6	2-methoxy-1-methylethyl acetate	1-<2.59
EINECS: 203-603-9	🚸 Flam. Liq. 3, H226	
Reg.nr.: 01-2119475791-29-xxxx		
CAS: 9004-70-0	nitrocellulose with water(not less than 25% water, by mass)	1-<2.59
Reg.nr.: no Reach No. availlable	🔗 Expl. 1.1, H201	
CAS: 25068-38-6	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin	1-<2.59
	(number average molecular weight 700-1100	
	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317, EUH205	
	Specific concentration limits: Eye Irrit. 2; H319: $C \ge 5 \%$	
	<i>Skin Irrit.</i> 2; <i>H315: C</i> ≥ 5 %	
CAS: 100-41-4	ethylbenzene	1-<2.59
EINECS: 202-849-4	🚸 Flam. Liq. 2, H225; 🚸 STOT RE 2, H373; Asp. Tox. 1,	
Reg.nr.: 01-2119489370-35-xxxx	H304; () Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2,	
	H319; Áquatic Chronic 3, H412	
CAS: 162627-17-0	Fatty Acids, C18-unsatd. dimers, reaction products with N,N-	≥0.1-<1
<i>Reg.nr.: 01-2119970640-38-xxxx</i>	dimethyl-1,3- propanediamine and 1,3-propanediamine	
	🚯 Skin Sens. 1, H317	

#### **SECTION 4: First aid measures**

• 4.1 Description of first aid measures

- · General information: Immediately remove any clothing soiled by the product.
- · After inhalation:
- Supply fresh air and to be sure call for a doctor.
- In case of unconsciousness place patient stably in side position for transportation.
- · After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eye contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: If symptoms persist consult doctor.
- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- · 4.3 Indication of any immediate medical attention and special treatment needed
- No further relevant information available.

## **SECTION 5: Firefighting measures**

- · 5.1 Extinguishing media -
- · Suitable extinguishing agents: Cool container whit water

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• 5.2 Special hazards arising from the substance or mixture No further relevant information available. • 5.3 Advice for firefighters

• **Protective equipment:** No special measures required.

# **SECTION 6: Accidental release measures**

- 6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.
- 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up: Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.
- 6.4 Reference to other sections
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

# **SECTION 7: Handling and storage**

- 7.1 Precautions for safe handling Keep away from heat and direct sunlight. Ensure good ventilation/exhaustion at the workplace.
- *Information about fire and explosion protection:* Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

- Requirements to be met by storerooms and receptacles:
- Observe official regulations on storing packagings with pressurised containers.
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: None.
- 7.3 Specific end use(s) No further relevant information available.

## SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

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

115-10-6 dimethyl ether

WEL Short-term value: 958 mg/m<sup>3</sup>, 500 ppm Long-term value: 766 mg/m<sup>3</sup>, 400 ppm

67-64-1 acetone

WEL Short-term value: 3620 mg/m<sup>3</sup>, 1500 ppm Long-term value: 1210 mg/m<sup>3</sup>, 500 ppm

### 67-63-0 propan-2-ol

WEL Short-term value: 1250 mg/m<sup>3</sup>, 500 ppm

Long-term value: 999 mg/m<sup>3</sup>, 400 ppm

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123-8	86-4 n-butyl acetate	
WEL	Short-term value: 966 mg/m³, 200 ppm Long-term value: 724 mg/m³, 150 ppm	
1330-	-20-7 xylene, mixture of isomers	
WEL	Short-term value: 441 mg/m <sup>3</sup> , 100 ppm	
	Long-term value: 220 mg/m <sup>3</sup> , 50 ppm	
	Sk; BMGV	
64-17	7-5 ethanol	
WEL	Long-term value: 1920 mg/m³, 1000 ppm	
141-7	78-6 ethyl acetate	
WEL	Short-term value: 1468 mg/m <sup>3</sup> , 400 ppm	
	Long-term value: 734 mg/m³, 200 ppm	
108-6	55-6 2-methoxy-1-methylethyl acetate	
WEL	Short-term value: 548 mg/m <sup>3</sup> , 100 ppm	
	Long-term value: 274 mg/m³, 50 ppm	
	Sk	
· Ingre	edients with biological limit values:	
1330-	-20-7 xylene, mixture of isomers	
BMG	V 650 mmol/mol creatinine	
	Medium: urine	
	Sampling time: post shift	
	Parameter: methyl hippuric acid	
· Addit	tional information: The lists valid during the making were used as basis.	
· Appro · Indiv · Gene Keep Imme Wash Avoid Avoid	Exposure controls opriate engineering controls No further data; see item 7. idual protection measures, such as personal protective equipment ral protective and hygienic measures: away from foodstuffs, beverages and feed. ediately remove all soiled and contaminated clothing a hands before breaks and at the end of work. I contact with the eyes. I contact with the eyes and skin. iratory protection:	
	When workers are facing concentrations above the exposure limit they must a certified respirators. Half mask with combination filter, class A1P2 minimum, or with outer air supply. A protection ective gloves	
MIN S	The glove material has to be impermeable and resistant to the product/ the	substance/ the

preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- · Material of gloves Nitrile rubber, NBR
- · Penetration time of glove material

Gloves must be changed after every contamination.

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

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- (Contd. of page 5) · For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:
- butyl rubber, 0,7mm
- · Eye/face protection Safety glasses

\*

Tightly sealed goggles

SECTION 9: Physical and chemical prop	perties
• 9.1 Information on basic physical and chemical p	roperties
· General Information	*
· Physical state	Aerosol
· Colour:	Grev
· Odour:	Solvent-like
· Odour threshold:	Not determined.
• Melting point/freezing point:	Undetermined.
· Boiling point or initial boiling point and boiling	
range	-24.9 °C
· Flammability	Not applicable.
· Lower and upper explosion limit	
· Lower:	2.6 Vol % (67-64-1 acetone)
· Upper:	18.6 Vol % (115-10-6 dimethyl ether)
· Flash point:	<0 °C
· Ignition temperature:	235 °C (115-10-6 dimethyl ether)
· Decomposition temperature:	Not determined.
· pH	Not determined.
· Viscosity:	
· Kinematic viscosity	Not determined.
· Dynamic:	Not determined.
· Solubility	
· water:	Not miscible or difficult to mix.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure at 20 °C:	3,400 hPa (115-10-6 dimethyl ether)
• Density and/or relative density	-,,
· Relative density	0.882 g/ml
· Vapour density	Not determined.
• 9.2 Other information	
· Appearance:	
· Form:	Aerosol
· Important information on protection of health an	d
environment, and on safety.	
• Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of
	explosive air/vapour mixtures are possible.
	Not determined.
· Solvent content:	
· Organic solvents:	80.0 %
	With propellant gas. Content given by weight.
· Water:	0.2 %
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VOC (EU)	(<840g/l)
	79.96 %
Solids content:	18.7 %
Change in condition	
Evaporation rate	Not applicable.
Information with regard to physical hazard of	classes
Explosives	Void
Flammable gases	Void
Aerosols	Extremely flammable aerosol. Pressurised container
	May burst if heated.
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flamm	able
gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

#### **SECTION 10: Stability and reactivity**

· 10.1 Reactivity No further relevant information available.

· 10.2 Chemical stability

• Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

- · 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.

· 10.6 Hazardous decomposition products: No dangerous decomposition products known.

#### **SECTION 11: Toxicological information**

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

• Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

Inhalative LC50/4 h 1,064 mg/l

· Serious eye damage/irritation Causes serious eye irritation.

• *Respiratory or skin sensitisation* May cause an allergic skin reaction.

· STOT-single exposure May cause drowsiness or dizziness.

 $\cdot$  11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

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#### **SECTION 12: Ecological information**

- · 12.1 Toxicity
- Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · 12.5 Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · **vPvB:** Ikke relevant.
- · 12.6 Endocrine disrupting properties
- The product does not contain substances with endocrine disrupting properties.
- · 12.7 Other adverse effects
- · Additional ecological information:
- · General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

**SECTION 13: Disposal considerations** 

#### · 13.1 Waste treatment methods

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packaging:

· Recommendation: Disposal must be made according to official regulations.

<b>SECTION 1</b> 4	4: Transport	t information
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· 14.1 UN number or ID number		
· ADR, IMDG, IATA	UN1950	
· 14.2 UN proper shipping name		
$\cdot ADR$	1950 AEROSOLS	
·IMDG	AEROSOLS	
·IATA	AEROSOLS, flammable	
· 14.3 Transport hazard class(es)		
· ADR		
· Class	2 5F Gases.	
· Label	2.1	
· IMDG, IATA		
· Class	2.1 Gases.	
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· UN "Model Regulation":

### **SECTION 15: Regulatory information**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture VOC: <840g/l

UN 1950 AEROSOLS, 2.1

- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · Seveso category P3a FLAMMABLE AEROSOLS
- Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t
- $\cdot$  Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

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<sup>·</sup> Directive 2012/18/EU

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· National regulations:

· Technical instructions (air):

Class	Share in %
Wasser	<1
NK	50-100

· Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

#### **SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### · Relevant phrases

- H201 Explosive; mass explosion hazard.
- H220 Extremely flammable gas.
- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H280 Contains gas under pressure; may explode if heated.
- 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.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H412 Harmful to aquatic life with long lasting effects.
- EUH018 In use may form flammable/explosive vapour-air mixture.

EUH066 Repeated exposure may cause skin dryness or cracking.

EUH205 Contains epoxy constituents. May produce an allergic reaction.

· Department issuing SDS: Product safety department

#### · Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods

- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- *PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative*
- Expl. 1.1: Explosives Division 1.1
- Flam. Gas 1A: Flammable gases Category 1A
- Aerosol 1: Aerosols Category 1
- : Aerosols Category 3
- Press. Gas (Comp.): Gases under pressure Compressed gas
- Flam. Liq. 2: Flammable liquids Category 2
- Flam. Liq. 3: Flammable liquids Category 3 Acute Tox. 4: Acute toxicity – Category 4
- Skin Irrit. 2: Skin corrosion/irritation Category 2
- *Eye Irrit. 2: Serious eye damage/eye irritation Category 2*
- Skin Sens. 1: Skin sensitisation Category 1
- STOT SE 3: Specific target organ toxicity (single exposure) Category 3

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STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2 Asp. Tox. 1: Aspiration hazard – Category 1 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

 $\cdot$  \* Data compared to the previous version altered.