SECTION 1 Mixture identification and manufacturer/supplier identification

1.1 Product identification

Product name: SOLL WP Washprimer 2+1

Product symbol: S-WP 1

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

Reactive primer (1st component) to be applied with a spray gun. Product for professional use.

1.3 Data of the safety data sheet supplier

UAB HELVINA
Parko str. 96, Ramučiai
LT-54464 Kaunas distr., Lithuania
Tel: +370 37 308901
Faksas: +370 37 308902
E-mail: info@helvina.lt

1.4 Emergency telephone

Poison control and information office: Tel. +370 37 308901 or +370 687 53378

SECTION 2: Hazard identification

2.1 Classification of the mixture

The product has been classified as hazardous in accordance with applicable regulations.

Classification 1272/2008/EC

Hazard class category code	Hazard class	Hazard code	Hazard type
Flam. Liq. 2	Flammable liquid, cat. 2	H225	Highly flammable liquid and vapor.
Skin Irrit. 2	Skin irritation, cat. 2	H315	Causes skin irritation.
Eye Dam. 1	Serious eye damage/eye irritation, cat. 1	H318	Causes serious eye damage.
STOT SE 3	Specific target organ toxicity – single exposure, cat. 3 respiratory irritation	H335	May cause respiratory irritation.
STOT SE 3	Specific target organ toxicity – single exposure, cat. 3, narcotic effect	H336	May cause drowsiness or dizziness.
STOT RE 2	Specific target organ toxicity – repeated exposure, cat. 2	H373	May cause damage to organs through prolonged or repeated exposure.
Aquatic Chronic 2	Hazardous for the aquatic environment - chronic hazard, cat 2	H411	Toxic to aquatic life with long-lasting effects.

2.2 Label elements

Signal word **DANGER**

Contains **Xylene, n-butyl alcohol**

Pictograms

GHS02 GHS05 GHS07 GHS08 GHS09

Hazard statements

H225	Highly flammable liquid and vapor.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
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

Precautionary statements

Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Avoid breathing mist, vapor, spray.
P273	Do not release the product to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Reaction

P305 + P351 + P388	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314	Get medical advice/attention if you feel unwell.
P391	Collect spillage.

Storage

P403+ P233	Store in a well ventilated place. Keep container tightly closed.

Disposal

P501	Dispose of contents/container to: landfill for hazardous substances.

Additional information on the label

EUH211	Attention! When sprayed, hazardous respirable droplets may be formed. Do not inhale spray or mist.

2.3 Other hazards

No data.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

Chemical nature: mixture of organic compounds with additives.

Substance name	Concentration%	CAS	EC	Index	Registration no	Hazard class
xylene	18– 23	1330-20-7	215-535- 7	601- 022 -00- 9	01-2119488216-32-xxxx	Flam. Liq. 3 H226 Acute Tox. 4 H312 Acute Tox. 4 H332 Skin Irrit. 2 H315 Eye Irrit. 2 H319 STOT SE 3 H335 STOT RE 2 H373 Asp. Tox. 1 H304
propam-2-ol	< 18	67-63 -0	200-661- 7	603- 117 -00 - 0	01-2119457558-25-xxxx	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336
butyl acetate	< 15	123-86- 4	204-658- 1	607- 025 -00- 1	01-2119485493-29-xxxx	Flam. Liq. 3 H226 STOT SE 3 H336 EUH066

n-butanol	< 15	71-36- 3	200-751-6	603- 004 -00- 6	01-2119484630-38-xxxx	Flam. Liq. 3 H226 Acute Tox. 4 H302 Skin Irrit. 2 H315 Eye Dam. 1 H318 STOT SE 3 H335 STOT SE 3 H336
Trizinc bis(orthophosphate)	< 5	7779-90-0 for anhydrous substance	231-944-3	030- 011 -00- 6	01-2119485044-40-xxxx	Aquatic Acute 1 H400 Aquatic Chronic 1 H410
hydrocarbons, C9, aromatic	< 5	64742-95-6	918-668- 5		01-2119455851-35-xxxx	Asp. Tox. 1 H304 Flam. Liq. 3 H226 STOT SE 3 H335 STOT SE 3 H336 EUH066
ethylbenzene	< 4	100-41- 4	202-849- 4	601- 023 -00- 4	-	Flam. Liq. 2 H225 Acute Tox. 4 H332 STOT RE 2 H373 Asp. Tox. 1 H304
titanium dioxide	< 3.8	13463-67- 7	236-675- 5	-	01-2119489379-17-0004	Carc. 2 H351 (inhalation)
Urea P/W formaldehyde, isobutylated	< 2	68002-18-6	-	-	-	Aquatic Chronic 4 H413
isobutanol	< 1	78-83- 1	201-148-0	-	01-2119484609-23	Flam. Liq. 3 H226 STOT SE 3 H335 STOT SE 3 H336 Skin Irrit. 2 H315 Eye Dam. 1 H318
phenol	< 0.3	108-95- 2	203-632- 7	-	01-2119471329-32	Muta. 2 H341 Acute Tox. 3 H301 Acute Tox. 3 H311 Acute Tox. 3 H331 STOT RE 2 H373 Skin Corr. 1B H314 Eye Dam. 1 H318 Aquatic Chronic 2 H411
formaldehyde	< 0.06	50-00-0	200-001-8		01-2119488953- 20	Carc. 1B H350 Muta. 2 H341 Acute Tox. 3 H301 Acute Tox. 3 H311 Acute Tox. 3 H331 Skin Corr. 1B H314 Eye Dam.1 H318 Skin Sens. 1A H317

Full text of hazard statements provided in section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

Airways:

Remove the victim from the area of exposure, provide access to fresh air. In case of respiratory arrest apply artificial respiration. Provide medical aid if needed.

Ingestion:

Rinse mouth with water. Do not give anything to an unconscious person to swallow. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Provide medical aid if needed.

Contact with eyes:

Remove contact lenses. Rinse with plenty of water with the eyelid held wide open, avoiding a strong water jet. If necessary consult an ophthalmologist.

Contact with skin:
Take off contaminated clothes and shoes. Wash skin with plenty of water and soap. If skin irritation occurs, consult a doctor.

4.2 Most important symptoms both acute and delayed
High doses of vapors may cause: dizziness, drowsiness, headache, loss of consciousness. Contact with skin may cause allergic reactions, its dryness and cracking.

4.3 Indications of any immediate medical attention and special treatment needed
Symptomatic treatment. Provide the doctor with the product safety data sheet. First aiders should pay attention to their own personal protection.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media: carbon dioxide CO_2, extinguishing powders, alcohol-resistant foam, water mist.
Unsuitable extinguishing media: full jet of water.

5.2 Special hazards arising from the substance or mixture
Flammable liquid mixture. Combustion may form carbon oxides and other toxic gases. Vapors are heavier than air and can reignite.

5.3 Advice for fire fighters
Use self-contained breathing apparatus and full protective clothing. Tanks exposed to high temperature should be cooled with water from a safe distance and, if possible, removed from the endangered area.
Prevent fire-fighting water from entering surface water or groundwater.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency measures
Eliminate ignition sources. Avoid breathing vapor / mist / spray. Ensure adequate ventilation. Avoid contamination of eyes, skin and clothes. Use protective clothing and equipment.

6.2 Environmental precautions
Prevent from entering sewage system, surface water, ground water or soil. In the event of serious contamination of a watercourse, sewage system or soil, notify the appropriate administrative and control authorities and rescue organizations.

6.3 Methods and materials for containment and cleaning up
Eliminate the source of the leak. Collect small spills with non-combustible absorbent material. Collect large spills mechanically. Collect contaminated soil.

6.4 Reference to other sections
Personal protection measures – see section 8.
Disposal considerations – see section 13.

SECTION 7: Handling and storage of substances and mixtures

7.1 Precautions for safe handling
Avoid open flames and high temperature. Work in well ventilated rooms. Do not breathe vapors or spray. Avoid contamination of eyes, skin and clothes. Do not eat or drink at the site where the product is used. Wash hands before each break and at the end of work. Observe the rules of personal hygiene.

7.2 Conditions for safe storage, including any incompatibilities
Store in tightly sealed, original containers. Store at a temperature of +5 to +25 ° C in a well-ventilated place; away from oxidants and sources of heat and fire. Avoid electrostatic discharge,

7.3 Special end use(s)
No data.

SECTION 8: Exposure control/personal protection measures

8.1 Control parameters

Maximum permissible concentrations:

SUBSTANCE	CAS	MPC (mg/m³)	MPIC (mg/m³)	MPCC (mg/m³)	Note: Labeling the substance with the notation 'skin'
xylene	1330-20- 7	100	200	-	skin
propam-2-ol	67-63-0	900	1200	-	skin
butyl acetate	123-86- 4	240	720	-	-
n-butanol	71-36- 3	50	150	-	skin
ethylbenzene	100-41- 4	200	400	-	skin
titanium dioxide -inhalable fraction	13463-67-7	10	-	-	-
isobutanol	78-83-1	100	200	-	skin
phenol	108-95-2	7.8	7.8		skin
formaldehyde	50-00-0	0.37	0.74	-	skin

* Labeling the substance with the notation "skin" means that the absorption of the substance through the skin may be just as important as for inhalation exposure.

CAS NUMBER	ABSORBED SUBSTANCE	MARKED SUBSTANCE	BIOLOGICAL MATERIAL	PBC VALUES
1330-20- 7	xylene	Methyl hippuric acid	urine*	0,75 g/g creatinine

* sample collected once, at the end of the daily exposure on any given day.

DNEL value

xylene	DNEL value	workers	skin	long-term exposure - systemic effects	212 mg/kg b. w./day
	DNEL value	workers	inhalation	acute exposure - local effects	442 mg/m³
	DNEL value	workers	inhalation	acute exposure - systemic effects	442 mg/m³
	DNEL value	workers	inhalation	long-term exposure - systemic effects	221 mg/m³
	DNEL value	workers	inhalation	long-term exposure - systemic effects	221 mg/m³
	DNEL value	consumers	ingestion	long-term exposure - systemic effects	12.5 mg/kg b. w./day
	DNEL value	consumers	skin	long-term exposure - systemic effects	125 mg/kg b. w./day
	DNEL value	consumers	inhalation	acute exposure - local effects	260 mg/m³
	DNEL value	consumers	inhalation	acute exposure - systemic effects	260 mg/m³
	DNEL value	consumers	inhalation	long-term exposure - systemic effects	65.3 mg/m³
	DNEL value	consumers	inhalation	long-term exposure - systemic effects	65.3 mg/m³

isopropanol	DNEL value	workers	skin	long-term exposure	888 mg/kg b. w./day
	DNEL value	workers	inhalation	long-term exposure	500 mg/m³
	DNEL value	consumers	skin	long-term exposure	319 mg/kg b. w./day
	DNEL value	consumers	inhalation	long-term exposure	89 mg/m³
	DNEL value	consumers	ingestion	long-term exposure	26 mg/kg b. w./day

butyl acetate	DNEL value	workers	skin	short-term exposure - systemic effects	11 mg/kg b. w./day
	DNEL value	workers	skin	long-term exposure - systemic effects	11 mg/kg b. w./day
	DNEL value	workers	inhalation	short-term exposure - local effects	600 mg/m³
	DNEL value	workers	inhalation	short-term exposure - systemic effects	600 mg/m³
	DNEL value	workers	inhalation	long-term exposure - systemic effects	300 mg/m³
	DNEL value	workers	inhalation	long-term exposure - systemic effects	300 mg/m³
	DNEL value	consumers	ingestion	short-term exposure - systemic effects	2 mg/kg b. w./day
	DNEL value	consumers	ingestion	long-term exposure - systemic effects	2 mg/kg b. w./day
	DNEL value	consumers	skin	short-term exposure - systemic effects	6 mg/kg b. w./day
	DNEL value	consumers	skin	long-term exposure - systemic effects	6 mg/kg b. w./day
	DNEL value	consumers	inhalation	short-term exposure - local effects	300 mg/m³
	DNEL value	consumers	inhalation	short-term exposure - systemic effects	300 mg/m³
	DNEL value	consumers	inhalation	long-term exposure - systemic effects	35.7 mg/m³
	DNEL value	consumers	inhalation	long-term exposure - systemic effects	35.7 mg/m³

n-butanol	DNEL value	workers	inhalation	long-term exposure - systemic effects	310 mg/m³
	DNEL value	workers	inhalation	long-term exposure - systemic effects	310 mg/m³
	DNEL value	consumers	ingestion	long-term exposure - systemic effects	3,125 mg/kg/day
	DNEL value	consumers	ingestion	long-term exposure - systemic effects	3,125 mg/kg/day
	DNEL value	consumers	inhalation	long-term exposure - systemic effects	55 mg/m³
	DNEL value	consumers	inhalation	long-term exposure - systemic effects	55 mg/m³

Trizinc bis(orthophosphate)	DNEL value	workers	inhalation	long-term exposure - systemic effects	5 mg/m³
	DNEL value	workers	skin	long-term exposure - systemic effects	83 mg/kg b. w./day
	DNEL value	consumers	inhalation	long-term exposure - systemic effects	2.5 mg/m³
	DNEL value	consumers	skin	long-term exposure - systemic effects	83 mg/kg b. w./day
	DNEL value	consumers	ingestion	long-term exposure - systemic effects	0.83 mg/kg b. w./day

hydrocarbons, C9, aromatic	DNEL value	workers	skin	long-term exposure - systemic effects	25 mg/kg b. w./day
	DNEL value	workers	inhalation	long-term exposure -	150 mg/m³

				systemic effects	
	DNEL value	consumers	inhalation	long-term exposure - systemic effects	32 mg/m^3
	DNEL value	consumers	skin	long-term exposure - systemic effects	11 mg/kg
	DNEL value	consumers	ingestion	long-term exposure - systemic effects	11 mg/kg
ethylbenzene	DNEL value	workers	skin	long-term exposure - systemic effects	180 mg/kg b. w./day
	DNEL value	workers	inhalation	acute exposure - local effects	293 mg/m^3
	DNEL value	workers	inhalation	long-term exposure - systemic effects	77 mg/m^3
	DNEL value	consumers	inhalation	long-term exposure - systemic effects	15 mg/m^3
	DNEL value	consumers	ingestion	long-term exposure - systemic effects	1.6 mg/kg b. w./day

isobutanol	DNEL value	workers	inhalation	long-term exposure - local effects	310 mg/m^3
	DNEL value	consumers	inhalation	long-term exposure - local effects	55 mg/m^3

phenol	DNEL value	workers	inhalation	long-term exposure - systemic effects	8 mg/m^3
	DNEL value	workers	skin	long-term exposure - systemic effects	1.23 mg/kg /day
	DNEL value	workers	inhalation	acute exposure - local effects	16 mg/m^3
	DNEL value	consumers	ingestion	long-term exposure - systemic effects	0.4 mg/kg /day
	DNEL value	consumers	skin	long-term exposure - systemic effects	0.4 mg/kg /day
	DNEL value	consumers	inhalation	long-term exposure - systemic effects	1.32 mg/m^3

formaldehyde	DNEL value	workers	inhalation	short-term exposure - local effects	0.75 mg/kg
	DNEL value	workers	inhalation	long-term exposure - systemic effects	9 mg/m^3
	DNEL value	workers	inhalation	long-term exposure - local effects	0.375 mg/kg
	DNEL value	workers	skin	long-term exposure - systemic effects	240 mg/kg /day
	DNEL value	workers	skin	long-term exposure - local effects	0,037 mg/cm^2
	DNEL value	consumers	inhalation	long-term exposure - systemic effects	3.2 mg/cm2
	DNEL value	consumers	inhalation	long-term exposure - local effects	0.1 mg/m3
	DNEL value	consumers	skin	long-term exposure - systemic effects	102 mg/kg /day
	DNEL value	consumers	skin	long-term exposure - local effects	0,012 mg/cm^2
	DNEL value	consumers	ingestion	long-term exposure - systemic effects	4.1 mg/kg /day

PNEC value

xylene	PNEC value	fresh water	0.327 mg/l
	PNEC value	marine water	0.327 mg/l
	PNEC value	sediment (fresh water and marine water)	12,46 mg/kg d. m. of sediment
	PNEC value	sediment (marine water)	12,46 mg/kg d. m. of sediment
	PNEC value	biological sewage treatment plant	6.58 mg/dm3
	PNEC value	soil	2,31 mg/kg d. m. of soil

isopropanol	PNEC value	fresh water	0.96 mg/l
	PNEC value	marine water	0.79 mg/l
	PNEC value	sediment (fresh water and marine water)	3.6 mg/kg
	PNEC value	sediment (marine water)	2.9 mg/kg
	PNEC value	soil	0.63 mg/kg

butyl acetate	PNEC value	fresh water	0.18 mg/l
	PNEC value	marine water	0.018 mg/l
	PNEC value	intermittent release	0.36 mg/l
	PNEC value	biological sewage treatment plant	35.6 mg/l
	PNEC value	sediment (fresh water and marine water)	0,981 mg/kg d. m. of sediment
	PNEC value	sediment (marine water)	0,0981 mg/kg d. m. of sediment
	PNEC value	soil	0,09 mg/kg d. m. of soil

n-butanol	PNEC value	fresh water	0.082 mg/l
	PNEC value	marine water	0.0082 mg/l
	PNEC value	sediment (fresh water and marine water)	0.178 mg/kg
	PNEC value	sediment (marine water)	0.0178 mg/kg
	PNEC value	soil	0.015 mg/kg
	PNEC value	sewage treatment plant	2476 mg/l
	PNEC value	intermittent release	2.25 mg/l

Trizinc bis(orthophosphate)	PNEC value	fresh water	20.6 µg/l
	PNEC value	marine water	6.1 µg/l
	PNEC value	sediment (fresh water and marine water)	117,8 mg/kg d. m. of sediment
	PNEC value	sediment (marine water)	56,5 mg/kg d. m. of sediment
	PNEC value	sewage treatment plant	52 µg/l
	PNEC value	soil	35,6 mg/kg d. m. of soil

ethylbenzene	PNEC value	fresh water	0.1 mg/l
	PNEC value	marine water	0.01 mg/l
	PNEC value	sediment (fresh water and marine water)	13,7 mg/kg d. m. of sediment
	PNEC value	sediment (marine water)	1,37 mg/kg d. m. of sediment
	PNEC value	biological sewage treatment plant	9,6 mg/dm^3
	PNEC value	soil	2,68 mg/kg d. m. of soil

isobutanol	PNEC value	fresh water	0.4 mg/l
	PNEC value	marine water	0.04 mg/l
	PNEC value	sediment (fresh water and marine water)	1,56 mg/kg d. m. of sediment

	PNEC value	sediment (marine water)	0,156 mg/kg d. m. of sediment
	PNEC value	sewage treatment plant	10 mg/dm^3
	PNEC value	soil	0,076 mg/kg d. m. of soil
	PNEC value	intermittent water release	11 mg/l

phenol	PNEC value	fresh water	0.008 mg/l
	PNEC value	marine water	0.001 mg/l
	PNEC value	sediment (fresh water and marine water)	0.091 mg/kg
	PNEC value	sediment (marine water)	0.009 mg/kg
	PNEC value	soil	0.136 mg/kg
	PNEC value	sewage treatment plant	2.1 mg/l
	PNEC value	intermittent release	0.031 mg/l

formaldehyde	PNEC value	fresh water	0.44 mg/l
	PNEC value	marine water	0.44 mg/l
	PNEC value	sediment (fresh water and marine water)	2.3 mg/kg
	PNEC value	sediment (marine water)	2.3 mg/kg
	PNEC value	soil	0.2 mg/kg
	PNEC value	sewage treatment plant	0.19 mg/l
	PNEC value	intermittent release	4.44 mg/l

8.2 Exposure control

Technical control measures

General and local exhaust ventilation. Explosion-proof electrical installation.

Personal protective measures

Eye or face protection

If there is any risk that the material may get into the eye, wear safety glasses or a face shield protecting against splashing.

Skin protection

Gloves resistant to chemicals. For long-term protection we recommend the use of gloves made of neoprene rubber, thickness> 0.4 mm and penetration time> 480 min. As the product is a mixture of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked before application. The manufacturer of the protective gloves provides information on the breakthrough time of the substance.

Protective, anti-electrostatic clothing and footwear.

Respiratory protection

We recommend the use of a mask with an organic vapor filter of type A or better (EN 140 or EN 141).

When cutting, grinding or sandblasting cured components, it may generate dust particles which may be inhaled.

Environmental exposure control

Prevent from entering into sewage system, water and soil.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	liquid
Color	Grey - green
Odor:	characteristic
Melting/freezing point:	no data
Boiling point:	83 °C
Flammability of the product:	flammable liquid and vapor
Bottom and top explosion limit:	bottom 1,0 vol.% top 7,1 vol.% (xylene)
Flash point:	21 °C
Auto ignition point:	no data
Breakdown point:	no data
pH:	no data

Dynamic viscosity (unit mPas) at 40 °C:	95
Solubility:	no data
n-octanol/water partition coefficient:	no data
Vapor pressure:	no data
Density (g/cm³) at 20 °C:	~ 1,0
Relative vapor density:	no data
Characteristics of the particles:	no data

9.2 Other information
No data.

SECTION 10: Stability and reactivity

10.1 Reactivity
Vapors can form an explosive mixture with air.

10.2 Chemical stability
The product is stable under normal conditions.

10.3 Possibility of hazardous reactions
There may be a risk of explosion if placed in the vicinity of equipment that generates sparks, heat, or flames.

10.4 Conditions to be avoided
High temperatures, sources of heat and fire.

10.5 Incompatible materials
Avoid contact with strong oxidants, acids and bases.

10.6 Hazardous decomposition products
As a result of thermal decomposition, carbon monoxide and other toxic gases are generated.

SECTION 11: Toxicological information

11.1 Information on the hazard classes as defined in Regulation (EC) No. 1272/2008
There are no experimental data on toxicological effects of the product. The assessment was based on the data on components included in the product.
Acute toxicity:

xylene	LD_{50} (rat, oral)	>2000 mg/kg
	LC_{50} (rat, inhalation)	> 20 mg/dm³/4h
	LD_{50} (rabbit, skin)	>2000 mg/kg
isopropanol	LD_{50} (oral)	>2000 mg/kg
	LC_{50} (inhalation)	> 5 mg/l/
	LD_{50} (skin)	>20000 mg/kg
butyl acetate	LD_{50} (rat, oral)	10760 mg/kg
	LC_{50} (rat, inhalation)	> 21,1 mg/l/4h
	LD_{50} (rabbit, skin)	>14000 mg/kg
n-butanol	LD_{50} (rat, oral)	2292 mg/kg
	LD_{50} (rabbit, skin)	3430 mg/kg
	LC_{50} (rat, inhalation)	>17,76 mg/dm³/4h
zinc phosphate	LD_{50} (rat, oral)	>5000 mg/kg
hydrocarbons, C9, aromatic	LD_{50} (rat, oral)	> 2000 - 5000 mg/kg
	LD_{50} (rabbit, skin)	>2000 mg/kg
ethylbenzene	LD_{50} (rat, oral)	3500 mg/kg
	LC_{50} (rat, inhalation)	17,8 mg/dm³/4h
	LD_{50} (skin)	15400 mg/kg
	TCL0 (human, inhalation)	442 mg/dm³/8h

ATE_{mix} (oral) >2000 mg/kg of body weight
ATE_{mix} (skin) >2000 mg/kg of body weight
ATE_{mix} (inhalation) >20 mg/l
The ATEmix values have been calculated using the relevant conversion factor in Table 3.1.2. derived from Regulation 1272/2008/EC, as amended.
The mixture is not classified as acute toxicity. No data confirming the hazard.

Skin corrosion/irritation:
The mixture is classified as causing skin irritation.
Serious eye damage/eye irritation:
The mixture is classified as causing serious eye damage.
Allergic effect on airways or skin:
The mixture is not classified as causing skin irritation. No data confirming the hazard.
Mutagenic effect on germ cells:
The mixture is not classified as mutagenic. No data confirming the hazard.
Carcinogenic effect:
The mixture is not classified as carcinogenic. No data confirming the hazard.
Harmful effect on reproduction:
The mixture is not classified as having harmful effect on reproduction. No data confirming the hazard.
Toxic effect on target organs – single exposure:
The mixture is classified as toxic to target organs - single exposure. May cause respiratory irritation. May cause drowsiness or dizziness.
Toxic effect on target organs – repeated exposure:
The mixture is classified as toxic to target organs - repeated exposure.
Aspiration hazard:
The mixture is not classified as causing aspiration hazard. No data confirming the hazard.

11.2 Information on other hazards
No data.

SECTION 12: Ecological information

12.1 Toxicity
There are no experimental data on toxicological effects of the product. The assessment was based on the data on components included in the product.

xylene	acute toxicity to fish (Pimephales promelas)	LC_{50} 16.1 mg/l/96h
	acute toxicity to fish (Oncorhynchus mykiss)	LC_{50} 2.6 mg/l/96h
	acute toxicity to aquatic invertebrates (Daphnia magna)	EC_{50} 3.82 mg/l/48h
	acute toxicity to algae	EC_{50} 2.2 mg/l/73h
isopropanol	toxicity to fish (Leuciscus idus melanotus)	LC_{50} > 100 mg/l/48h
	acute toxicity to aquatic invertebrates (Daphnia magna)	EC_{50} > 100 mg/l/48h
	toxicity to algae (Scenedesmus subspicatus)	EC_{50} > 100 mg/l/72h
butyl acetate	toxicity to fish (Pimephales promelas)	LC_{50} 18 mg/l/96h
	toxicity to fish (Leuciscus iduslas)	LC_{50} 60 mg/l/48h
	toxicity to invertebrates (Daphnia sp.)	EC_{50} 44 mg/l/48h
	toxicity to algae (Scenedesmus subspicatus)	IC_{50} 675 mg/l/72h
n-butanol	acute toxicity to fish (Pimephales promelas)	LC_{50} 1376 mg/l/96h
	acute toxicity to daphnia (Daphnia magna)	EC_{50} 1382 mg/l/48h
	acute toxicity to aquatic plants (Pseudokirchneriella subcapitata)	EC_{50} 225 mg/l/96h
	long-term toxicity to daphnia (Daphnia magna)	NOEC 4,1 mg/l/21 d
zinc phosphate	ecotoxicity to fish	LC_{50} 0,14 mg/l
	ecotoxicity to Daphnia	EC_{50} 0,04 mg/l
	ecotoxicity to alga	EC_{50} 0.136 mg/l/72h

hydrocarbons, C9, aromatic	acute toxicity to fish	$LC_{50}/EC_{50}/ IC_{50}$ > 1-10 mg/l
	acute toxicity to crustaceans	$LC_{50}/EC_{50}/ IC_{50}$ > 1-10 mg/l
	acute toxicity to aquatic plants	$LC_{50}/EC_{50}/ IC_{50}$ > 1-10 mg/l
	acute toxicity to microorganisms	$LC_{50}/EC_{50}/ IC_{50}$ > 100 mg/l
ethylbenzene	toxicity to fish (Pimephales promelas)	LC_{50} 49 mg/l/96h
	acute toxicity to aquatic invertebrates (Daphnia magna)	EC_{50} 184 mg/l/24h
isobutanol	toxicity to fish (Oncorhynchus mykiss)	LC_{50} 1120 - 1520 mg/l/96h
	toxicity to fish (Pimephales promelas)	LC_{50} 1370 - 1670 mg/l/96h
	toxicity to fish (Lepomis macrochirus)	LC_{50} 1480 - 1730 mg/l/96h
	toxicity to daphnia (Daphnia magna)	EC_{50} 1300 mg/l/48h
	toxicity to algae (Desmodesmus subspicatus)	EC_{50} 230 mg/l/48h
phenol	toxicity to fish (Oncorhynchus mykiss)	LC_{50} 8.9 mg/l/96h
	toxicity to fish (Poecilia reticulata)	LC_{50} 22 mg/l/14d
	toxicity to fish (Pimephales promelas)	LC_{50} 24,9 mg/l
	toxicity to daphnia (Daphnia magna)	EC_{50} 3.1 mg/l/48h
	toxicity to algae (Pseudokirchnerella subcapitata)	EC_{50} 61.1 mg/l/96h
formaldehyde	toxicity to fish (Morone saxatilis)	LC_{50} 6,7 mg/l96h
	toxicity to daphnia (Daphnia magna)	EC_{50} 5.8 mg/l/48h
	toxicity to algae (Desmodesmus subspicatus)	EC_{50} 4.89 mg/l/72h

12.2 Persistence and degradability
isopropanol - biodegradability > 70%, 10 days
xylene - biodegradable
butan-1-ol – biodegradation 92%, 20 days

12.3 Bioaccumulative potential
isopropanol log Pow = 0,05
butyl acetate log Pow=2,3 does not show any potential for bioaccumulation
hydrocarbons C9, aromatic log Pow=3,7-4,5, possible bioaccumulation
ethylbenzene log Pow = 3,15
xylene – bioconcentration factor (BCF): 7.4– 18.5

12.4 Mobility in soil
butyl acetate expected log Koc = 1,27
ethylbenzene - distribution between elements of the environment: log Koc: 3.12

12.5 Results of PBT and vPvB assessment
No data.

12.6 Endocrine disrupting properties
No data.

12.7 Other hazardous effects
No data.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Used packaging and waste product should be delivered to authorized companies. Dispose of according to applicable local and official waste regulations – see section 15.

Waste code

08 01 11*	Waste paints and varnishes containing organic solvents or other dangerous substances.
15 01 10*	Packaging containing residues of or contaminated by dangerous substances (e.g. pesticides of I and II class of toxicity – very toxic or toxic).

SECTION 14: Transport information

		ADR/RID
14.1	**UN number**	**1263**
14.2	**UN proper shipping name**	**PAINT**
14.3	**Transport hazard class (-es)**	**3**
14.4	**Packaging group**	**III**
14.5	**Environmental hazard**	**yes**
14.6	**Special precautions for users**	Not applicable.
14.7	**Transport in bulk in accordance with Annex II to MARPOL 73/78 convention and the IBC Code**	Not applicable.

SECTION 15: Regulatory information

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

Regulation (EC) No 1907/2006 of the European Parliament and 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 as amended.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 as amended.
Law of 25 February 2011; on chemical substances and mixtures thereof (Journal of Laws No. 63, item 322, 2011), the consolidated text of 24 November 2017 (Journal of Laws, item 143, 2017) as amended.
Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 regarding the highest allowable concentrations and intensities of factors harmful to health in the work environment (Journal of Laws, item 1286, 2018).
Regulation of the Minister of Health of February 2, 2011 regarding tests and measurements of factors harmful to health in the work environment (Journal of Laws, item 166, 2011)
Notice of the Minister of Health of 9 September 2016 regarding the publication of a uniform text of the Regulation of the Minister of Health on occupational health and safety related to the occurrence of chemical agents in the workplace (Journal of Laws, item 1488, 2016).
Government Declaration of July 26, 2005 on the entry into force of amendments to Annexes A and B of the European Agreement concerning the international carriage of dangerous goods by road (ADR) drawn up at Geneva on September 30, 1957 (Journal of Laws No. 178, item . 1481, 2005 as amended).
The Law of 14 December 2012 on waste (Journal of Laws item 21, 2013 as amended)
The Law of 20 July 2018 amending the act on waste and certain other acts (Journal of Laws, item 1592, 2018).
The Law of 13 June 2013 on the management of packaging and packaging waste (Journal of Laws, item 888, 2013).
Regulation of the Minister of Climate of 2 January 2020 on the waste catalog (Journal of Laws, item 10, 2020).

15.2 Chemical safety assessment

No chemical safety assessment has been carried out for the mixture.

SECTION 16: Other information

Full text of hazard statements mentioned in section 2– 15

Acute Tox. 4	Acute toxicity, cat. 4
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
Acute Tox. 3	Acute toxicity, cat. 3
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H331	Toxic if inhaled.

Skin Corr.1B	Skin corrosion, cat. 1B
H314	Causes serious skin burns and eye damage
Skin Irrit. 2	Skin irritation, cat. 2
H315	Causes skin irritation.
Eye Dam. 1	Serious eye damage/eye irritation, cat. 1
H318	Causes serious eye damage.
Eye Irrit. 2	Serious eye damage/eye irritation, cat. 2
H319	Causes serious eye irritation.
Skin. Sens. 1A	Skin sensitization cat. 1A
H317	May cause an allergic skin reaction.
STOT RE 2	Specific target organ toxicity – repeated exposure, cat. 2
H373	May cause damage to organs.
Asp. Tox. 1	Aspiration hazard, cat. 1
H304	May be fatal if swallowed and enters airways.
STOT SE 3	Specific target organ toxicity – single exposure, cat. 3
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
Carc. 1B	Carcinogenicity, cat. 1B
H350	May cause cancer
Aquatic Acute 1	Hazardous for the aquatic environment - acute hazard, cat. 1
H400	Very toxic to aquatic life
Aquatic Chronic 1	Hazardous for the aquatic environment - chronic hazard, cat 1
H410	Very toxic to aquatic life with long-lasting effects.
Aquatic Chronic 2	Hazardous for the aquatic environment - chronic hazard, cat 2
H411	Toxic to aquatic life with long-lasting effects.
Aquatic Chronic 4	Hazardous for the aquatic environment - chronic hazard, cat 4
H413	May cause long lasting harmful effects to aquatic life.
EUH066	Repeated exposure may cause skin dryness or cracking.
Muta. 2	Mutagenic effect on germ cells, cat 2
H341	Suspected of causing genetic defects.
Flam. Liq. 3	Flammable liquid, cat. 3
H226	Flammable liquid and vapor.
Flam. Liq. 2	Flammable liquid, cat. 2
H225	Highly flammable liquid and vapor.

Explanation of abbreviations

EC	reference number used in the European Union to identify hazardous substances, in particular those registered in the European Inventory of Existing Chemical Substances (EINECS), or in European List of Notified Chemical Substances (ELINCS), or the list of chemicals listed in 'No-longer polymers'
CAS	a number assigned to a chemical substance in Chemical Abstracts Service
MPC	maximum permissible concentration at the workplace - the highest permissible weighted average concentration, whose impact on the employee during 8 hours of work, throughout the entire period of his professional activity, should not cause changes in his state of health and the state of health of his future generations
MPIC	maximum permissible instantaneous concentration - the maximum permissible instantaneous concentration set as an average value that should not cause negative changes in the state of health of the worker and the state of health of his future generations, if it persists in the work environment for no more than 30 minutes during a shift
MPCC	concentration value which, due to the threat to the employee's health or life, cannot be exceeded in the work environment at any time
vPvB	very Persistent and very Bio-accumulative
PBT	Persistent, Bio-accumulative and toxic
DL_{50}	lethal dose - the dose at which deaths of 50% of test animals are observed over a specified period of time
CL_{50}	lethal concentration - the concentration at which deaths of 50% of the test animals are observed over a specified period of time
CE_{50}	effective concentration - the effective concentration of the substance causing a response at 50% of the maximum value
DNEL	no-harmful level for human health - the level of exposure to a substance not harmful to

	human health
PNEC	Predicted no-effect concentration - the concentration of the substance below which no harmful effects are expected
PBC	permissible concentration in biological material - the highest permissible level of a specific factor or its metabolite in the relevant biological material or the highest permissible value of an appropriate indicator determining the impact of a chemical agent on the body
BCF	bioconcentration factor - the ratio of the concentration of a substance in the body to its concentration in water at equilibrium
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road .
UN number	four-digit material identification number in the UN Hazardous Materials List, derived from the UN Model Regulations, to which the individual material, mixture or object is classified
RID	Regulations Concerning the International Transport of Dangerous Goods by Rail
IMDG	International Maritime Dangerous Goods Code
IATA	International Air Transport Association

Recommended use
The product is intended for professional use only.

Other data sources
http://echa.europa.eu/web/guest/information-on-chemicals/registered-substances

Other information
The product described in the safety data sheet should be stored and used in accordance with good industrial practice and in accordance with all legal regulations. The information and recommendations contained in the safety data sheet are based on our general experience and our latest knowledge, and have been presented in good faith. No part of this publication can be treated as guarantee, warranty or position directly, indirectly or otherwise. In all cases, it is the user's responsibility to determine and verify that the information and recommendations are accurate, sufficient and relevant to the particular case. The user is responsible for creating the conditions for the safe use of the product and he is responsible for the consequences of incorrect use of this product.

Classification of mixtures and evaluation method in accordance with regulation (EC) No. 1272/2008 [CLP]
Calculation method.

Changes
General changes.

Training
Before working with the product, the user should read the Safety Data Sheet and OHS rules regarding the handling of chemicals, and in particular undergo appropriate workplace training.

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