Revision: 24.01.2023

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

Printing date 24.01.2023

Version number 10 (replaces version 9)

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

· 1.1 Product identifier

· Trade name: SOLL Antigravel Plus 2 in 1, grey (S700310)

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

No further relevant information available.

· Application of the substance / the mixture

Anticorrosion additive

Sealant

· 1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier:

UAB HELVINA

Parko str. 96, Ramu iai

LT-54464 Kaunas distr., Lithuania

Tel: +370 37 308901 Fax: +370 37 308902 E-mail: info@helvina.lt

· 1.4 Emergency telephone number:

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

SECTION 2: Hazards identification

- · 2.1 Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008



Flam. Liq. 2 H225 Highly flammable liquid and vapour.



Repr. 2 H361d Suspected of damaging the unborn child.

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.



Skin Irrit. 2 H315 Causes skin irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

· 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

602 GHS07

GHS08

- · Signal word Danger
- · Hazard-determining components of labelling:

Toluene

Solvent naphtha (petroleum), light arom.

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· Hazard statements

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H361d Suspected of damaging the unborn child.

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.

· Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P243 Take action to prevent static discharges.

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

protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with

water [or shower].

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

P405 Store locked up.

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

regulations.

· 2.3 Other hazards

· Results of PBT and vPvB assessment

· **PBT**: Not applicable. · **vPvB**: Not applicable.

SECTION 3: Composition/information on ingredients

- · 3.2 Mixtures
- · Description: Mixture of substances listed below with additions.

· Dangerous components:		
CAS: 108-88-3		25-<50%
EINECS: 203-625-9	🚸 Flam. Liq. 2, H225; 🗞 Repr. 2, H361d; STOT RE 2, H373; Asp.	
Reg.nr.: 01-2119471310-51	Tox. 1, H304; 🕠 Skin Irrit. 2, H315; STOT SE 3, H336; Aquatic	
	Chronic 3, H412	
CAS: 64742-95-6	Solvent naphtha (petroleum), light arom.	1-<3%
EC number: 918-668-5	♠ Flam. Liq. 3, H226; ♦ Asp. Tox. 1, H304; ♦ Aquatic Chronic 2, H411; ♠ STOT SE 3, H335-H336, EUH066	
Reg.nr.: 01-2119455851-35	2, H411; 🕦 STOT SE 3, H335-H336, EUH066	

[·] Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- · 4.1 Description of first aid measures
- · General information: Immediately remove any clothing soiled by the product.
- · After inhalation:

Take affected persons into fresh air and keep quiet.

Supply fresh air or oxygen; call for 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.

Immediately rinse with water.

If skin irritation continues, consult a doctor.

· 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.

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· 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:

Sand. Do not use water.

CO2, sand, extinguishing powder. Do not use water.

· For safety reasons unsuitable extinguishing agents:

Water

Water with full jet

· 5.2 Special hazards arising from the substance or mixture

During heating or in case of fire poisonous gases are produced.

- · 5.3 Advice for firefighters
- · Protective equipment: Mount respiratory protective device.
- · Additional information Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

Avoid contact with skin, eyes and clothes.

· 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

Prevent seepage into sewage system, workpits and cellars.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

· 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

· 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

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Use only in well ventilated areas.

 $\cdot \textit{Information about fire - and explosion protection:} \\$

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and receptacles: Store in a cool location.
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions:

Keep container tightly sealed.

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Store in cool, dry conditions in well sealed receptacles.

· 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:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs			
CAS: 108-	88-3 Toluene		
Oral	Long-term - systemic effects, genero	al population	8.13 mg/kg bw/day (General Population)
Dermal	Long-term - systemic effects, worke	r	384 mg/kg bw/day (Worker)
Inhalative	Acute - Local effects, worker		384 mg/m3 (Worker)
	Long-term - systemic effects, worke	r	192 mg/m3 (Worker)
	Long-term - local effects, worker		192 mg/m3 (Worker)
Acute - systemic effects, general p		pulation	226 mg/m3 (General Population)
	Acute - systemic effects, worker		384 mg/m3 (Worker)
	Acute - local effects, general population		226 mg/m3 (General Population)
	Long-term - systemic effects, genero	al population	56.5 mg/m3 (General Population)
CAS: 6474	12-95-6 Solvent naphtha (petroleum), light arom.	
Oral	Long-term - systemic effects, genero	al population	11 mg/kg bw/day (General Population)
Dermal	Long-term - systemic effects, worker		25 mg/kg bw/day (Worker)
	Long-term - systemic effects, general population		11 mg/kg bw/day (General population)
Inhalative	Long-term - systemic effects, worker		150 mg/m3 (Worker)
	Long-term - systemic effects, genero	al population	32 mg/m3 (General Population)
PNECs			
CAS: 108-	88-3 Toluene		
Aquatic co	compartment - freshwater 0.68 mg/L (ot specified)
Aquatic compartment - sediment in freshwater 16.39 mg		16.39 mg/kg	sed dw (not specified)
Terrestrial compartment - soil			lw (not specified)
Sewage treatment plant		13.61 mg/L (not specified)

- $\cdot \textbf{\textit{Additional information:}} \ \textit{The lists valid during the making were used as basis.}$
- · 8.2 Exposure controls
- · Appropriate engineering controls No further data; see item 7.
- · Individual protection measures, such as personal protective equipment
- · General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the skin.

Avoid close or long term contact with the skin.

Avoid contact with the eyes and skin.

· Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.



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· Hand protection

Not required.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Recommended thickness of the material: ≥ 0.12 mm

· Penetration time of glove material

> 480 min.

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

· Eye/face protection



Tightly sealed goggles

· **Body protection:** Use protective suit.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Physical state Fluid · Colour: Grey

· Odour: Characteristic · Odour threshold: Not determined. · Melting point/freezing point: Undetermined.

· Boiling point or initial boiling point and boiling

111 °C range

· Flammability Highly flammable.

· Lower and upper explosion limit

· Lower: 1.2 Vol % 7.1 Vol % · Upper:

· Flash point: 4 °C (DIN 53213)

>450°C · Ignition temperature: · Decomposition temperature: Not determined. Neutral

 $\cdot pH$

· Viscosity:

· Kinematic viscosity Not determined. · Dynamic At 20 °C: 4,750 mPas

· Solubility

Not miscible or difficult to mix. · water:

120 hPa

· Partition coefficient n-octanol/water (log value) Not determined. · Vapour pressure At 20 °C: 35 hPa

· Vapour pressure At 50 °C:

· Internal Pressure:

· Density and/or relative density

· Density At 20 °C: 1.25 g/cm³ (DIN 51757) Not determined. · Relative density

Not determined. · Vapour density

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· 9.2 Other information	
\cdot VOC (EU):	42.88 %
· VOC (EU):	536.1 g/l
· VOCV:	42.88 %

· Appearance:

· Form: Viscous

· Auto-ignition temperature: Product is not selfigniting.

· Explosive properties: Product is not explosive. However, formation of

explosive air/vapour mixtures are possible.

· Solvent content:

· Organic solvents: 42.9 %

· Solids content: 56.5 % (DIN 53216)

· Change in condition

· Evaporation rate Not determined.

· Information with regard to physical hazard classes

Void · Explosives · Flammable gases Void Void · Aerosols · Oxidising gases Void · Gases under pressure Void

· Flammable liquids Highly flammable liquid and vapour.

· 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 flammable

Voidgases in contact with water · Oxidising liquids Void Void · Oxidising solids · 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: Carbon monoxide

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:		ant for classification:	
CAS: 108-88-3 Toluene		ne	
	Oral	LD50	5,580 mg/kg (RAT)
	Dermal	LD50	>5,000 mg/kg (RABBIT)
	Inhalative	I C50/4 h	28.1 mg/l (RAT)

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			(Contd. of pag	e 6)
		LC50/96 h	5.5 mg/l (SALMO GAIRDNERI / ONCORHYNCHUS MYKISS)	
CAS: 64742-95-6 Solvent naphtha (petroleum), light arom.				
Ī	Oral	LD50	3,492 mg/kg (RAT)	
	Dermal	LD50	>3,160 mg/kg (RABBIT)	
	Inhalative	LC50/4 h	>6,193 mg/l (RAT)	

- · Skin corrosion/irritation Causes skin irritation.
- · Reproductive toxicity Suspected of damaging the unborn child.
- · STOT-single exposure May cause drowsiness or dizziness.
- · STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure.
- · Additional toxicological information: No further relevant information available.
- · 11.2 Information on other hazards
- · Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity

	· 12.1 10xmuy			
	· Aquatic toxicity:			
CAS: 108-88-3 Toluene				
	EC50/48 h	3.8 mg/l (DAPHNIA MAGNA)		
	EC50/72 h	12.5 mg/l (ALGAE)		
	IC50/72 h	12 mg/l (SELENASTRUM CAPRICORNUTUM)		
CAS: 64742-95-6 Solvent naphtha (petroleum), light arom.				
l	LL50/96 h	9.2 mg/l (SALMO GAIRDNERI / ONCORHYNCHUS MYKISS)		
	EL50/48 h	3.2 mg/l (DAPHNIA MAGNA)		

- · 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: Not applicable.
- · 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

- · 12.7 Other adverse effects
- · Remark: Harmful to fish
- · 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.

Harmful to aquatic organisms

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. Dispose of as dangerous waste.

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· Uncleaned packaging:

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

SECTION 14: Transport information	
· 14.1 UN number or ID number · ADR/RID/ADN, IMDG, IATA	UN1139
· 14.2 UN proper shipping name · ADR/RID/ADN · IMDG, IATA	1139 COATING SOLUTION, special provision 640D COATING SOLUTION
· 14.3 Transport hazard class(es) · ADR/RID/ADN	
· Class	3 (F1) Flammable liquids.
· Label	3 (11) 1 tammable liquids. 3
· IMDG, IATA	
· Class	3 Flammable liquids.
· Label	3
· 14.4 Packing group · ADR/RID/ADN, IMDG, IATA	II
· 14.5 Environmental hazards: · Marine pollutant:	No
· 14.6 Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Stowage Category	Warning: Flammable liquids. 33 F-E, <u>S-E</u> B
· 14.7 Maritime transport in bulk according to IM instruments	10 Not applicable.
Transport/Additional information:	Tansport classification ADR/IMGD is based of packaging >30ltr(IMDG), >450ltr(ADR). For other packaging until different classification catapply.
· ADR/RID/ADN	
· Limited quantities (LQ) · Excepted quantities (EQ)	5L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· Transport category · Tunnel restriction code	2 D/E
· IMDG · Limited quantities (LQ)	5L

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	(Conta. or page o)
· Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
· UN ''Model Regulation'':	UN 1139 COATING SOLUTION, 3, II

SECTION 15: Regulatory information

- · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the GB CLP regulation.

· Hazard pictograms







GHS02 GHS07 GHS

- · Signal word Danger
- · Hazard-determining components of labelling:

Toluene

Solvent naphtha (petroleum), light arom.

· Hazard statements

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H361d Suspected of damaging the unborn child.

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.

· Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P243 Take action to prevent static discharges.

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

protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with

water [or shower].

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

P405 Store locked up.

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

regulations.

- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · Seveso category P5c FLAMMABLE LIQUIDS
- · Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t
- · National regulations:
- · Technical instructions (air):

Class	Share in %
NK	42.9

- · Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.
- · 15.2 Chemical safety assessment: A Chemical Safety Assessment has been carried out.

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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

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H361d Suspected of damaging the unborn child.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.
- EUH066 Repeated exposure may cause skin dryness or cracking.

· Department issuing SDS: Product safety department.

· Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

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)

DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2 Flam. Liq. 3: Flammable liquids – Category 3

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Repr. 2: Reproductive toxicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3

* Data compared to the previous version altered.