

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

Printing date 24.01.2023

Version number 11 (replaces version 10)

Revision: 24.01.2023

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

- **1.1 Product identifier**
- **Trade name:** SOLL Antigravel Plus 2 in 1, black (S700311)
- **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  
Patko str. 96, Ramu iai  
LT-54464 Kaunas distr., Lithuania  
Tel: +370 37 308901  
Fax: +370 37 308902  
E-mail: info@helvina
- **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



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<br>EINECS: 203-625-9<br>Reg.nr.: 01-2119471310-51      | Toluene<br>⚠ Flam. Liq. 2, H225; ⚠ Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336; Aquatic Chronic 3, H412 | 25-<50% |
| CAS: 64742-95-6<br>EC number: 918-668-5<br>Reg.nr.: 01-2119455851-35 | Solvent naphtha (petroleum), light arom.<br>⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H335-H336, EUH066       | 1-<3%   |

· 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:

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.  
CO<sub>2</sub>, 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.
- **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, general population | 8.13 mg/kg bw/day (General Population) |
| Dermal     | Long-term - systemic effects, worker             | 384 mg/kg bw/day (Worker)              |
| Inhalative | Acute - Local effects, worker                    | 384 mg/m3 (Worker)                     |
|            | Long-term - systemic effects, worker             | 192 mg/m3 (Worker)                     |
|            | Long-term - local effects, worker                | 192 mg/m3 (Worker)                     |
|            | Acute - systemic effects, general population     | 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, general population | 56.5 mg/m3 (General Population)        |

**CAS: 64742-95-6 Solvent naphtha (petroleum), light arom.**

|            |  |                                      |
|------------|--|--------------------------------------|
| Oral       | Long-term - systemic effects, general 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, general population | 32 mg/m3 (General Population)        |

· **PNECs****CAS: 108-88-3 Toluene**

|  |                                    |
|--|------------------------------------|
| Aquatic compartment - freshwater             | 0.68 mg/L (not specified)          |
| Aquatic compartment - sediment in freshwater | 16.39 mg/kg sed dw (not specified) |
| Terrestrial compartment - soil               | 2.89 mg/kg dw (not specified)      |
| Sewage treatment plant                       | 13.61 mg/L (not specified)         |

· **Additional information:** 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.



Filter A

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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:  $\geq 0,12$  mm

- **Penetration time of glove material**

> 480 min.

The exact break through 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:**

Black

- **Odour:**

Characteristic

- **Odour threshold:**

Not determined.

- **Melting point/freezing point:**

Undetermined.

- **Boiling point or initial boiling point and boiling range**

111 °C

- **Flammability**

Highly flammable.

- **Lower and upper explosion limit**

- **Lower:**

1.2 Vol %

- **Upper:**

7.1 Vol %

- **Flash point:**

4 °C (DIN 53213)

- **Ignition temperature:**

>450 °C

- **Decomposition temperature:**

Not determined.

- **pH**

Neutral

- **Viscosity:**

- **Kinematic viscosity**

Not determined.

- **Dynamic At 20 °C:**

4,250 mPas

- **Solubility**

- **water:**

Not miscible or difficult to mix.

- **Partition coefficient n-octanol/water (log value)**

Not determined.

- **Vapour pressure At 20 °C:**

35 hPa

- **Vapour pressure At 50 °C:**

120 hPa

- **Internal Pressure :**

- **Density and/or relative density**

- **Density At 20 °C:**

1.23 g/cm<sup>3</sup> (DIN 51757)

- **Relative density**

Not determined.

- **Vapour density**

Not determined.

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- **9.2 Other information**
- **VOC (EU):** 45.48 %
- **VOC (EU):** 559.4 g/l
- **VOCV:** 45.48 %
- **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:** 45.5 %
- **Solids content:** 54.5 % (DIN 53216)
- **Change in condition**
- **Evaporation rate** Not determined.

- **Information with regard to physical hazard classes**
- **Explosives** Void
- **Flammable gases** Void
- **Aerosols** Void
- **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 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:** 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:

CAS: 108-88-3 Toluene

|            |          |                       |
|------------|----------|-----------------------|
| Oral       | LD50     | 5,580 mg/kg (RAT)     |
| Dermal     | LD50     | >5,000 mg/kg (RABBIT) |
| Inhalative | LC50/4 h | 28.1 mg/l (RAT)       |

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|   |           |  |
|---|-----------|--|
|   | LC50/96 h | 5.5 mg/l (SALMO GAIRDNERI / ONCORHYNCHUS MYKISS) |
| <b>CAS: 64742-95-6 Solvent naphtha (petroleum), light arom.</b> |           |  |
| 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**

· **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.**

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

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

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|                                   |   |
|-----------------------------------|---|
| · <b>Exempted quantities (EQ)</b> | Code: E2<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 500 ml |
| · <b>UN "Model Regulation":</b>   | 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 GHS08

- **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    | 45.5       |
- **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.**