

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier:

Product name: SOLL UNDERBODY COATING, NOT OVERCOATABLE

Article number: S700314

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

Sector of Use

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites.

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen).

SU21 Consumer uses: Private households / general public / consumers.

Process category

PROC7 Industrial spraying

PROC11 Non industrial spraying

Application of the substance / the mixture: Surface protection.

1.3. Manufacturer/Supplier:

UAB HELVINA

Parko str. 96, Ramučiai

LT 54464 Kaunas district

Lithuania

Tel.: +370 37308901

Fax: +370 37308902

E-mail: info@helvina.lt

www.helvina.lt

1.4. Further information obtainable from: Laboratory

Emergency telephone number:

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

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008:



GHS02

Flam. Liq. 3

H226 Flammable liquid and vapour.



GHS09

Aquatic Chronic 2

H411 Toxic to aquatic life with long lasting effects.



GHS07

STOT SE 3

H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC:



Xi; Irritant

R37

Irritating to respiratory system.



N; Dangerous for the environment

R51/53

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R10-66-67:

Flammable. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

Information concerning particular hazards for human and environment:

Printing date: 11-07-2014

Revision: 11-07-2014

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

Has a narcotizing effect.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008:

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

Hazard pictograms:



GHS02



GHS07



GHS09

Signal word: WARNING

Hazard-determining components of labelling:

Solvent naphtha (petroleum), light arom. Benzene<0.1%

Hazard statements:

H226 Flammable liquid and vapour.

H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

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

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

P273 Avoid release to the environment.

P271 Use only outdoors or in a well-ventilated area.

P261 Avoid breathing mist/vapours/spray.

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

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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

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

Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Chemical characterization: Substances

Additional information:

CAS: 64742-95-6 EC number: 918-668-5 Reg. nr.: 01-2119455851-35	Solvent naphtha (petroleum), light arom. Benzene <0.1% Xn, R65; Xi, R37; N; R51/53; R10-66-67 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336	20-<25%
CAS: 64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy	15-<20%

EC number: 919-446-0 Reg. nr.: 01-2119458049-33	Xn, R65; N; R51/53 R10-66-67 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336	
CAS: 64742-95-6 EINECS: 265-199-0	Solvent naphtha (petroleum), light arom. Benzene <0.1% Xn, R65; Xi, R37; N; R51/53; R10-66-67 Flam. Liq. 3, H226; Asp. Tox. 1, H304	2.5-<3%
CAS: 64-17-5 EINECS: 200-578-6 Reg.nr.: 01-2119457610-43	Ethanol F, R11 Flam. Liq. 2, H225; Eye Irrit. 2, H319	1-<2.5%

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

3.2. Chemical characterization: Mixtures

Description: -

Dangerous components: -

Additional information: -

4. FIRST AID MEASURES

4.1. Description of first aid measures

AFTER INHALATION: Supply fresh air; consult doctor in case of complaints.

AFTER SKIN CONTACT: Generally the product does not irritate the skin.

AFTER EYE CONTACT: Rinse opened eye for several minutes under running water.

AFTER SWALLOWING: Do not induce vomiting; call for medical help immediately.

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.

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

SUITABLE EXTINGUISHING MEDIA: Water haze, fire-extinguishing powder, carbon dioxide, alcohol resistant foam.

EXTINGUISHING MEDIA WHICH SHALL NOT BE USED FOR SAFETY REASONS: Water with full jet.

5.2. Special hazards arising from the substance or mixture

No further relevant information available.

5.3. Advice for fire-fighters

PROTECTIVE EQUIPMENT: Mount respiratory protective device.

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 product to reach sewage system or any water course.

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).

Do not flush with water or aqueous cleansing agents.

6.4. Reference to other sections

Printing date: 11-07-2014

Revision: 11-07-2014

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. HANDLING AND STORAGE

Handling

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles:

No special requirements.

Information about storage in one common storage facility:

Observe official regulations on storing packaging's with pressurized containers.

Further information about storage conditions:

Keep receptacle tightly sealed.

7.3 Specific end use(s)

No further relevant information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical facilities: No further data; see item 7.

8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace:

ETHANOL (CAS: 64-17-5)

WEL Long-term value: 1920 mg/m³, 1000 ppm

DNELs

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. BENZENE<0.1% (CAS: 64742-95-6)

Oral DNEL Long term-systemic 11 mg/kg bw/day (Consumer)

Dermal DNEL Long term-systemic 11 mg/kg bw/day (Consumer)

25 mg/kg bw/day (Worker)

Inhalative DNEL Long term-systemic 32 mg/m³ (Consumer)100 mg/m³ (Worker)

NAPHTHA (PETROLEUM), HYDRODESULFURIZED HEAVY (CAS: 64742-82-1)

Oral DNEL Long term-systemic 26 mg/kg bw/day (Consumer)

Dermal DNEL Long term-systemic 26 mg/kg bw/day (Consumer)

44 mg/kg bw/day (Worker)

Inhalative DNEL Long term-systemic 71 mg/m³ (Consumer)330 mg/m³ (Worker)

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

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.

Do not inhale gases / fumes / aerosols.



Printing date: 11-07-2014

Revision: 11-07-2014

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

PROTECTION OF HANDS: Protective gloves. Solvent resistant gloves.

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

EYE PROTECTION: Tightly sealed goggles.**BODY PROTECTION:** Use protective suit.**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties:**

Appearance:	Fluid
Colour:	Black
Odour:	Characteristic
Odour threshold:	Not determined
pH value:	Not determined
Melting point / melting range:	Undetermined
Boiling point / boiling range:	142 °C
Flash point:	39 °C
Flammability (solid, gaseous):	Not applicable
Ignition temperature:	450 °C
Decomposition temperature:	Not determined
Self-igniting:	Product is not self-igniting
Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Explosion limits (lower / upper):	0.6 Vol % / 15 Vol %
Vapour pressure at 20 °C:	5 hPa
Density at 20 °C:	1,04 g/cm ³
Relative density:	Not determined
Vapour density:	Not determined
Evaporation rate:	Not determined
Solubility in / miscibility with water:	Not miscible or difficult to mix
Partition coefficient: n-octanol/water:	Not determined
Viscosity (dynamic / kinematic):	Not determined
Organic solvents:	43.8 %
Solid content:	55.6 %

9.2. Other information:

No further relevant information available.

10. STABILITY AND REACTIVITY**10.1. Reactivity:****10.2. Chemical stability:****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.

10.7. Thermal decomposition / conditions to be avoided:

Printing date: 11-07-2014

Revision: 11-07-2014

No decomposition if used according to specifications.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects.

Acute toxicity:

LD/LC50 values relevant for classification:

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. BENZENE<0.1% (CAS: 64742-95-6)

Oral LD50 3295 mg/kg (rat)

Dermal LD50 >3160 mg/kg (rat)

NAPHTHA (PETROLEUM), HYDRODESULFURIZED HEAVY (CAS: 64742-82-1)

Oral LD50 >5000 mg/kg (rat)

Dermal LD50 > 3160 mg/kg (rabbit)

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. BENZENE<0.1% (CAS: 64742-95-6)

Oral LD50 >6800 mg/kg (rat)

Dermal LD50 >3400 mg/kg (rabbit)

Inhalative LC50/4 h >10.2 mg/l (rat)

Primary irritant effect:

ON THE SKIN: No irritating effect.

ON THE EYE: No irritating effect.

Sensitization: No sensitizing effects known.

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

IRRITANT.

12. ECOLOGICAL INFORMATION

12.1. Toxicity:

Acquatic toxicity:

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. BENZENE<0.1% (CAS: 64742-95-6)

EL50 (48h) 3.2 mg/l (Daphnia magna)

LL50 (96h) 9.2 mg/l (Oncorhynchus mykiss (96h))

NOELR (72h) 1 mg/l (Pseudokirchneriella subcapitata)

NAPHTHA (PETROLEUM), HYDRODESULFURIZED HEAVY (CAS: 64742-82-1)

EL50 (72h) 4.6-10 mg/l (Pseudokirchneriella subcapitata)

EL50 (48h) 10-22 mg/l (Daphnia magna)

LL50 (96h) 10-30 mg/l (Oncorhynchus mykiss (96h))

LOEC (21 days) 0.203 mg/l (Daphnia magna)

NOEC (21 days) 0.097 mg/l (Daphnia magna)

NOELR (72h) 1 mg/l (Pseudokirchneriella subcapitata)

12.2. Persistence and degradability:

No further relevant information available.

12.3. Bio accumulative 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. Other adverse effects:

No further relevant information available.

Ecotoxicological effects:

Remark: Toxic for fish.

Additional ecological information:

General notes:

Printing date: 11-07-2014

Revision: 11-07-2014

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.
 Also poisonous for fish and plankton in water bodies.
 Toxic for aquatic organisms.

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.

14 TRANSPORT INFORMATION

14.1. UN number:

ADR, IMDG, IATA

UN 1139

14.2. UN proper Shipping Name:

ADR

UN1139 COATING SOLUTION,
ENVIRONMENTALLY HAZARDOUS

IMDG

COATING SOLUTION (Solvent naphtha (petroleum), light arom.
Benzene<0.1%, TURPENTINE SUBSTITUTE),
MARINE POLLUTANT
COATING SOLUTIONS

IATA

14.3. Transport hazard class(es):

ADR, IMDG,



Class:

3 Flammable liquids

Label:

3

IATA



Class:

3 Flammable liquids

Label:

3

14.4. Packing group:

ADR, IMDG, IATA

III

14.5. Environmental hazards:

Marine pollutant:

Product contains environmentally hazardous substances:
Solvent naphtha (petroleum), light arom. Benzene<0.1%
Yes

Special marking (ADR):

Symbol (fish and tree)

14.6. Special precautions for user:

Symbol (fish and tree)

Danger code (Kemler):

Warning: Flammable liquids.

EMS Number:

30

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

F-E,S-E

Transport/Additional information:

ADR

Not applicable

Limited quantities (LQ):

5L

Excerpted quantities (EQ):

Code: E1

Printing date: 11-07-2014

Revision: 11-07-2014

Transport category:	Maximum net quantity per inner packaging: 30 ml
Tunnel restriction code:	Maximum net quantity per outer packaging: 1000 ml
IMDG	3
Limited quantities (LQ):	D/E
Excepted quantities (EQ):	5L
	Code: E1
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
UN "Model Regulation":	UN1139, COATING SOLUTION, ENVIRONMENTALLY HAZARDOUS, 3, III

15 REGULATORY INFORMATION

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

National regulations:

Technical instructions (air):

CLASS	SHARE IN %
NK	25-<50
VOC-CH	43.82 %
VOC-EU	455.8 g/l
Danish MAL Code	5-3

15.2. Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

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.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
R10 Flammable.
R11 Highly flammable.
R37 Irritating to respiratory system.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

Abbreviations and acronyms:

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail
ICAO: International Civil Aviation Organization
ADR: 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 Harmonized 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)
MAL-Code: Regulation for the labeling concerning inhalation hazards, Denmark

SAFETY DATA SHEET

according to EC Regulation No. 453/2010, Annex II from 20.05.2010

Printing date: 11-07-2014

Revision: 11-07-2014

DNEL: Derived No-Effect Level (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 2: Flammable liquids, Hazard Category 2

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

The information of this Material Safety Data Sheet is based on the present state of knowledge and on current EU and national laws, as the users' working conditions are beyond our knowledge and control. The product is not to be used for other purposes than those specified, without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfill the demand laid down in the local rules and legislation. The information in this Material Safety Data Sheet is meant as a description of the safety requirements of the product and it is not to be considered as a guarantee of the product's properties.