

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1. Product identifier:****Product name:** SOLL UNDERBODY COATING SPRAYABLE, NOT OVER PAINTABLE**Article number:** S700211**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.ltwww.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. Aerosol 1

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



GHS08

Asp. Tox. 1

H304 May be fatal if swallowed and enters airways.



GHS07

Skin Irrit. 2

H315 Causes skin irritation.

Eye Irrit. 2

H319 Causes serious eye irritation.

Aquatic Chronic 3

H412 Harmful to aquatic life with long lasting effects.

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

F+; Extremely flammable

R12

Extremely flammable.



N; Dangerous for the environment

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R66-67 Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

Information concerning particular hazards for human and environment:

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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.

Warning! Pressurized container.

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



GHS08

Signal word: DANGER

Hazard-determining components of labelling:

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

Naphtha (petroleum), hydrodesulfurized heavy

Hazard statements:

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H304 May be fatal if swallowed and enters airways.

H412 Harmful 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.

P251 Pressurized container: Do not pierce or burn, even after use.

P211 Do not spray on an open flame or other ignition source.

P280 Wear protective gloves / eye protection.

P273 Avoid release to the environment.

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

P260 Do not breathe mist/vapours/spray.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

P331 Do NOT induce vomiting.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P403 Store in a well-ventilated place.

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

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**

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Additional information:

CAS: 74-98-6 EINECS: 200-827-9 Reg. nr.: 01-2119486944-21	Propane  F+; R12;  Flam. Gas 1, H220;  Press. Gas, H280	25-<50%
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	10-<20%
CAS: 64742-82-1 EC number: 919-446-0 Reg. nr.: 01-2119458049-33	Naphtha (petroleum), hydrodesulfurized heavy  Xn, R65;  N; R51/53 R10-66-67  Flam. Liq. 3, H226;  Asp. Tox. 1, H304;  Aquatic Chronic 2, H411;  STOT SE 3, H336	10-<15%
CAS: 64742-49-0 EC number: 921-024-6 Reg. nr.: 01-2119475514-35	Naphtha (petroleum), hydrotreated light  Xn, R65;  Xi, R38;  F, R11;  N; R51/53; R67  Flam. Liq. 2, H225;  Asp. Tox. 1, H304;  Aquatic Chronic 2, H411; Skin Irrit. 2, H315;  STOT SE 3, H336	3-<10%
CAS: 78-93-3 EINECS: 201-159-0 Reg. nr.: 01-2119457290-43	Butanone  Xi, R36;  F, R11 R66-67  Flam. Liq. 2, H225; Eye Irrit. 2, H319;  STOT SE 3, H336	3-<10%
CAS: 64742-95-6 EINECS: 918-668-5 Reg. no.: 01-2119455851-35	Solvent naphtha (petroleum), light arom.  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	1-<2,5%
CAS: 64-17-5 EINECS: 200-578-6 Reg.nr.: 01-2119457610-43	Ethanol  F, R11  Flam. Liq. 2, H225; Eye Irrit. 2, H319	0,3-<1%

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:** Active substance with propellant.**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

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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

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.

7. HANDLING AND STORAGE

Handling

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Information about fire - and explosion protection:

Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

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

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles:

Store in a cool location.

Observe official regulations on storing packagings with pressurized containers.

Information about storage in one common storage facility:

Observe official regulations on storing packagings with pressurized containers.

Further information about storage conditions:

Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

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:

PROPANE (CAS: 74-98-6)

OEL Short-term value: 3600 mg/m³, 2000 ppm

Long-term value: 1800 mg/m³, 1000 ppm

BUTANONE / MEK (CAS: 78-93-3)

WEL Short-term value: 899 mg/m³, 300 ppm

Long-term value: 600 mg/m³, 200 ppm

Sk, BMGV

ETHANOL (CAS: 64-17-5)

WEL Short-term value: 1900 mg/m³, 1000 ppm

Long-term value: 1000 mg/m³, 500 ppm

DNELs

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

Oral	DNEL Long term-systemic	26 mg/kg bw/day	(Consumer)
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Dermal	DNEL Long term-systemic	26 mg/kg bw/day	(Consumer)
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		44 mg/kg bw/day	(Worker)
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Inhalative	DNEL Long term-systemic	71 mg/m ³ (Consumer)
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		330 mg/m ³ (Worker)
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NAPHTHA (PETROLEUM), HYDROTREATED LIGHT (CAS: 64742-49-0)

Oral	DNEL Long term-systemic	699 mg/kg bw/day	(Consumer)
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Dermal	DNEL Long term-systemic	699 mg/kg bw/day	(Consumer)
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		773 mg/kg bw/day	(Worker)
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Inhalative	DNEL Long term-systemic	608 mg/m ³	(Consumer)
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		2035 mg/m ³	(Worker)
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BUTANONE / MEK (CAS: 78-93-3)

Oral	DNEL Long term-systemic	31 mg/kg bw/day	(Consumer)
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Dermal	DNEL Long term-systemic	412 mg/kg bw/ day	(Consumer)
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		1161 mg/kg bw/ day	(Worker)
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Inhalative	DNEL Long term-systemic	106 mg/m ³	(Consumer)
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		600 mg/m ³	(Worker)
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SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. BENZENE<0.1% (CAS: 64742-95-6)

Oral	DNEL Long term-systemic	11 mg/kg bw/day (Consumer)
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Dermal	DNEL Long term-systemic	11 mg/kg bw/day (Consumer)
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		25 mg/kg bw/day (Worker)
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Inhalative	DNEL Long term-systemic	32 mg/m ³ (Consumer)
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		100 mg/m ³ (Worker)
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Ingredients with biological limit values:

BUTANONE / MEK (CAS: 78-93-3)

BMGV 70 µmol/L

Medium: urine

Sampling time: post shift

Parameter: butan-2-one

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.

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.



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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 AX/P2

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:	Aerosol
Colour:	Black
Odour:	Characteristic
Odour threshold:	Not determined
pH value:	Not determined
Melting point / melting range:	Undetermined
Boiling point / boiling range:	- 44 °C
Flash point:	- 97 °C
Flammability (solid, gaseous):	Not applicable
Ignition temperature:	> 200 °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 % / 11.5 Vol %
Vapour pressure at 20 °C:	4 Bar
Density at 20 °C:	0,743 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
Solvent separation test:	4 Bar
Organic solvents:	72.5 %
Solid content:	27.5 %

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.

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10.7. Thermal decomposition / conditions to be avoided:

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 >6800 mg/kg (rat)

Dermal LD50 >3400 mg/kg (rabbit)

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

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

Oral LD50 >5000 mg/kg (rat)

Dermal LD50 >3160 mg/kg (rabbit)

NAPHTHA (PETROLEUM), HYDROTREATED LIGHT (CAS: 64742-49-0)

Oral LD50 >5840 mg/kg (rat)

Dermal LD50 >2920 mg/kg (rabbit)

Inhalative LC50/4h >25 mg/l (rat)

BUTANONE / MEK (CAS: 78-93-3)

Oral LD50 >2193 mg/kg (rat)

Dermal LD50 >5000 mg/kg (rabbit)

5000 mg/kg (rabbit)

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

Oral LD50 3295 mg/kg (rat)

Dermal LD50 >3160 mg/kg (rat)

Primary irritant effect:

ON THE SKIN: No irritating effect.

ON THE EYE: No irritating effect.

Sensitization: No sensitizing effects known.**12. ECOLOGICAL INFORMATION****12.1. Toxicity:****Acquatic toxicity:**

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)

NAPHTHA (PETROLEUM), HYDROTREATED LIGHT (CAS: 64742-49-0)

EL50 (72h) 30-100 mg/l (Pseudokirchneriella subcapitata)

EC50/48h 3 mg/l (Daphnia magna)

LL50 (96h) 11,4 mg/l (Oncorhynchus mykiss (96h))

LOEC (21 days) 0,32 mg/l (Daphnia magna)

NOEC (21 days) 0,17 mg/l (Daphnia magna)

NOELR (72h) 3 mg/l (Pseudokirchneriella subcapitata)

BUTANONE / MEK (CAS: 78-93-3)

EC50/48h 308 mg/l (Daphnia magna)

LC50/96h 2993 mg/l (Pimephales promelas)

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)

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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:**

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.

European waste catalogue

08 02 99 Wastes not otherwise specified.

Uncleaned packaging:**Recommendation:** Disposal must be made according to official regulations.**14 TRANSPORT INFORMATION****14.1. UN number:**

ADR, IMDG, IATA

UN 1950

14.2. UN proper Shipping Name:

ADR

UN 1950 AEROSOLS

IMDG

AEROSOLS

IATA

AEROSOLS, flammable

14.3. Transport hazard class(es):

ADR



Class:

2.5F Gases.

Label:

2.1

IMDG, IATA



Class:

2.1

Label:

2.1

14.4. Packing group:

ADR, IMDG, IATA

Void

14.5. Environmental hazards:

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Marine pollutant: No
14.6. Special precautions for user: Warning: Gases.
Danger code (Kemler): -
EMS Number: F-D,S-U
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable
Transport/Additional information:
ADR
Limited quantities (LQ): 1L
Excepted quantities (EQ): Code: E0
Not permitted as Excepted Quantity
Transport category: 2
Tunnel restriction code: D
IMDG
Limited quantities (LQ): 1L
Excepted quantities (EQ): Code: E0
Not permitted as Excepted Quantity
UN "Model Regulation": UN1950, AEROSOLS, 2.1

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	50-<75
VOC-CH	73.65 %
VOC-EU	547.2 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:

H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
R10 Flammable.
R11 Highly flammable.
R12 Extremely flammable.
R36 Irritating to eyes.
R37 Irritating to respiratory system.
R38 Irritating to skin.
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.

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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

DNEL: Derived No-Effect Level (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Gas 1: Flammable gases, Hazard Category 1

Flam. Aerosol 1: Flammable aerosols, Hazard Category 1

Press. Gas: Gases under pressure: Compressed gas

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

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

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

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

Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

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.