



Maintenance Solutions, SE, LLC

Townville, SC 29689

Date printed 01.01.2023, Revision 01.01.2023

**SECTION 1: Identification of the substance/mixture and of the company undertaking****1.1 Product identifier****Flash Floor Part A****1.2 Relevant identified uses of the substance or mixture and uses advised against****1.2.1 Relevant uses**

Fillers  
Repair

**1.2.2 Uses advised against**

None known.



**1.3 Details of the supplier of the safety data sheet**

**Company** Maintenance Solutions, SE, LLC  
100 Newland Rd.  
Townville, SC 29689 / USA  
Phone 888.405.8825  
Fax +1 864.287.4536  
Homepage [www.flashfloor.net](http://www.flashfloor.net)  
E-mail [flash.floor@yahoo.com](mailto:flash.floor@yahoo.com)

**Address enquiries to****Technical information** [flash.floor@yahoo.com](mailto:flash.floor@yahoo.com)**Safety Data Sheet** [sdb@chemiebuero.de](mailto:sdb@chemiebuero.de)**1.4 Emergency telephone number****Company** 1-888-735-2747**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**

Flam. Liq. 4: H227 Combustible Liquid.  
Asp. Tox. 1: H304 May be fatal if swallowed and enters airways.  
Skin Irrit. 2: H315 Causes skin irritation.  
Skin Sens. 1: H317 May cause an allergic skin reaction.  
Eye Irrit. 2: H319 Causes serious eye irritation.  
Acute Tox. 4: H332 Harmful if inhaled.  
Resp. Sens. 1: H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
STOT SE 3: H335 May cause respiratory irritation.  
STOT SE 3: H336 May cause drowsiness or dizziness.  
STOT RE 2: H373 May cause damage to organs through prolonged or repeated exposure.  
Aquatic Chronic 2: H411 Toxic to aquatic life with long lasting effects.

## 2.2 Label elements

Hazard pictograms	 
Signal word	DANGER
Hazard statements	<p>H227 Combustible Liquid.</p> <p>H304 May be fatal if swallowed and enters airways.</p> <p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H319 Causes serious eye irritation.</p> <p>H332 Harmful if inhaled.</p> <p>H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.</p> <p>H335 May cause respiratory irritation.</p> <p>H336 May cause drowsiness or dizziness.</p> <p>H373 May cause damage to organs through prolonged or repeated exposure.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p>
Precautionary statements	<p>P201 Obtain special instructions before use.</p> <p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P260 Do not breathe vapours / spray.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves / protective clothing / eye protection / face protection.</p> <p>P284 In case of inadequate ventilation wear respiratory protection.</p> <p>P301+P310 IF SWALLOWED: Immediately call a POISON CENTER / doctor.</p> <p>P331 Do NOT induce vomiting.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER / doctor.</p> <p>P312 Call a POISON CENTER / doctor if you feel unwell.</p>

## 2.3 Other hazards

Human health dangers	Persons already sensitised to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter is used.
Other hazards	Further hazards were not determined with the current level of knowledge.

## SECTION 3: Composition / Information on ingredients

## Product-type:

The product is a mixture.

Range [%]	Substance
40 - 60	Methylenediphenyl diisocyanate CAS: 101-68-8, EINECS/ELINCS: 202-966-0, EU-INDEX: 615-005-00-9 GHS/CLP: Carc. 2: H351 - Acute Tox. 4: H332 - STOT RE 2: H373 - Eye Irrit. 2: H319 - STOT SE 3: H335 - Skin Irrit. 2: H315 - Resp. Sens. 1: H334 - Skin Sens. 1: H317
20 - 30	Solvent naphtha (petroleum), heavy arom. CAS: 64742-94-5, EINECS/ELINCS: 265-198-5, EU-INDEX: 649-424-00-3 GHS/CLP: Asp. Tox. 1: H304 - STOT SE 3: H336 - Aquatic Chronic 2: H411

## Comment on component parts

Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%.  
For full text of H-statements: see SECTION 16.

**SECTION 4: First aid measures****4.1 Description of first aid measures**

<b>General information</b>	Take off contaminated clothing and wash before reuse.
<b>Inhalation</b>	Ensure supply of fresh air. Remove the victim into fresh air and keep him calm. Consult a doctor immediately.
<b>Skin contact</b>	In case of contact with skin wash off immediately with soap and water. Consult a doctor if skin irritation persists.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Ingestion</b>	Consult a doctor immediately. Do not induce vomiting. Rinse out mouth and give plenty of water to drink.

**4.2 Most important symptoms and effects, both acute and delayed**

Irritant effects  
Allergic reactions  
Cough  
Vertigo  
Nausea, vomiting.  
Headache  
Tiredness  
Redness

**4.3 Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.  
If swallowed or in the event of vomiting, risk of product entering the lungs.

**SECTION 5: Fire-fighting measures****5.1 Extinguishing media**

<b>Suitable extinguishing media</b>	Dry powder. Carbon dioxide. Foam.
<b>Extinguishing media that must not be used</b>	Full water jet

**5.2 Special hazards arising from the substance or mixture**

Risk of formation of toxic pyrolysis products.  
Carbon monoxide (CO)  
Nitrogen oxides (NOx).  
Hydrogen cyanide (HCN).  
Not combusted hydrocarbons.

**5.3 Advice for firefighters**

Do not inhale explosion and/or combustion gases.  
Use self-contained breathing apparatus.  
Wear full protective suit.  
  
Heat causes increase in pressure and risk of bursting - Keep away from the container.  
Cool containers at risk with water spray jet.  
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Keep away from all sources of ignition.  
Ensure adequate ventilation.  
Use breathing apparatus if exposed to vapours/aerosol.  
Use personal protective equipment.  
High risk of slipping due to leakage/spillage of product.  
Remove persons to safety.

### 6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).  
Do not discharge into the drains/surface waters/groundwater.  
In case the product spills into drains/surface waters/groundwater, immediately inform the authorities.

### 6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g. general-purpose binder).  
Dispose of absorbed material in accordance within the regulations.

### 6.4 Reference to other sections

See SECTION 8+13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Use only in well-ventilated areas.  
Avoid spilling or spraying in enclosed areas.  
Vacuuming in situ required.  
Keep away from open flames, hot surfaces and sources of ignition.  
Take precautionary measures against static discharges.  
Ground/bond container and receiving equipment.  
Use explosion-proofed equipment/fittings and non-sparkling tools.  
Do not eat, drink, smoke or take drugs at work.  
Take off contaminated clothing and wash before reuse.  
Contaminated work clothing should not be allowed out of the workplace.  
Showers and eye wash stations should be provided.  
Clean skin thoroughly after work, apply skin cream.  
Use barrier skin cream.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.  
Prevent penetration into the ground.  
Keep away from water.  
Do not store together with oxidizing agents.  
Do not store together with acids and alkalies.  
Keep container tightly closed.  
Keep container in a well-ventilated place.  
Keep in a cool place. Store in a dry place.  
Protect from heat/overheating and from sun.

### 7.3 Specific end use(s)

See product use, SECTION 1.2

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**SECTION 8: Exposure controls / personal protection****8.1 Control parameters**

Ingredients with occupational  
exposure limits to be monitored

	Substance
	Methylenediphenyl diisocyanate
	CAS: 101-68-8, EINECS/ELINCS: 202-966-0, EU-INDEX: 615-005-00-9
	Long-term exposure: 0,005 ppm, 0,05 mg/m <sup>3</sup> , NIOSH
	Solvent naphtha (petroleum), heavy arom.
	CAS: 64742-94-5, EINECS/ELINCS: 265-198-5, EU-INDEX: 649-424-00-3
	Long-term exposure: 100 ppm, 525 mg/m <sup>3</sup> , OSHA

**8.2 Exposure controls**

<b>Additional advice on system design</b>	Ensure adequate ventilation on workstation. Using suitable discharges or exhaust ventilation.
<b>Eye protection</b>	safety glasses
<b>Hand protection</b>	The details concerned are recommendations. Please contact the glove supplier for further information. 0,7mm: Butyl rubber, >480 min 0,7mm: Nitrile rubber, >480 min 0,7mm: Neoprene, >480 min
<b>Skin protection</b>	Protective clothing.
<b>Other</b>	Avoid contact with eyes and skin. Do not breathe vapour/spray. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.
<b>Respiratory protection</b>	If ventilation is insufficient, wear respiratory protection.
<b>Thermal hazards</b>	not applicable
<b>Delimitation and monitoring of the environmental exposition</b>	Comply with applicable environmental regulations limiting discharge to air, water and soil.

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**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

<b>Form</b>	liquid
<b>Color</b>	No information available.
<b>Odor</b>	mild aromatic
<b>Odour threshold</b>	No information available.
<b>pH-value</b>	not applicable
<b>value [1%]</b>	not applicable
<b>Boiling point [°C]</b>	> 148°C / > 300°F
<b>Flash point [°C]</b>	62°C / 145°F
<b>Flammability (solid, gas) [°C]</b>	not applicable
<b>Lower explosion limit</b>	No information available.
<b>Upper explosion limit</b>	No information available.
<b>Oxidizing properties</b>	no
<b>Vapour pressure/gas pressure [kPa]</b>	No information available.
<b>Density [g/ml]</b>	1,1 (20 °C / 68,0 °F) <b>Bulk</b>
<b>density [kg/m³]</b>	not applicable
<b>Solubility in water</b>	reacts with water
<b>Partition coefficient [n-octanol/water]</b>	No information available.
<b>Viscosity</b>	No information available.
<b>Relative vapour density determined in air</b>	No information available.
<b>Evaporation speed</b>	No information available.
<b>Melting point [°C]</b>	No information available.
<b>Autoignition temperature [°C]</b>	No information available.
<b>Decomposition temperature [°C]</b>	No information available.

**9.2 Other information**

none

**SECTION 10: Stability and reactivity****10.1 Reactivity**

Upon decomposition in closed containers and tubes risk of bursting due to buildup of overpressure.

**10.2 Chemical stability**

Stable under normal ambient conditions (ambient temperature).

**10.3 Possibility of hazardous reactions**

Reactions with acids, alkalis and oxidizing agents.  
 Reactions with water.  
 Reactions with alcohols.  
 Reactions with amines.

**10.4 Conditions to avoid**

Keep away from open flames, hot surfaces and sources of ignition.  
 Contact with moisture.  
 Strong heating.  
 Sunlight

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### 10.5 Incompatible materials

See SECTION 10.3.  
Various metals.

### 10.6 Hazardous decomposition products

In the event of fire: See SECTION 5.

**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity**

Product
ATE-mix, oral, > 5000 mg/kg.
ATE-mix, inhalativ (vapour ), > 10 - 20 mg/l/4h.

Range [%]	Substance
40 - 60	Methylenediphenyl diisocyanate, CAS: 101-68-8
	LD50, dermal, Rabbit: > 9000 mg/kg.
	LD50, oral, Rat: > 5000 mg/kg.
	LC50, inhalative, Rat: 0,49 mg/l/4h (Lit.).
20 - 30	Solvent naphtha (petroleum), heavy arom., CAS: 64742-94-5
	LD50, oral, Rat: > 5000 mg/kg (Lit.).

<b>Serious eye damage/irritation</b>	Toxicological data of complete product are not available. Irritant Calculation method
<b>Skin corrosion/irritation</b>	Toxicological data of complete product are not available. Irritant Calculation method
<b>Respiratory or skin sensitisation</b>	Toxicological data of complete product are not available. Sensitizing. Calculation method
<b>Specific target organ toxicity — single exposure</b>	Toxicological data of complete product are not available. May cause respiratory irritation. Vapours may cause drowsiness and dizziness. Calculation method
<b>Specific target organ toxicity — repeated exposure</b>	Toxicological data of complete product are not available. May cause damage to organs through prolonged or repeated exposure. Calculation method
<b>Mutagenicity</b>	Toxicological data of complete product are not available. Based on the available information, the classification criteria are not fulfilled.
<b>Reproduction toxicity</b>	Toxicological data of complete product are not available. Based on the available information, the classification criteria are not fulfilled.
<b>Carcinogenicity</b>	Toxicological data of complete product are not available. Suspected of causing cancer. Calculation method
<b>Aspiration hazard</b>	Toxicological data of complete product are not available. May be fatal if swallowed and enters airways. Calculation method
<b>General remarks</b>	Symptoms: abdominal pain, nausea, vomiting, diarrhoea.  The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.



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**SECTION 12: Ecological information****12.1 Toxicity**

Range [%]	Substance
40 - 60	Methylenediphenyl diisocyanate, CAS: 101-68-8
	EC50, (24h), Daphnia magna: 0,35 mg/L (Lit.).
	IC50, (72h), Desmodemus subspicatus: 1,5 mg/L (Lit.).
20 – 30	Solvent naphtha (petroleum), heavy arom. Cas: 64742-94-5)
	EC50, (72h), Pseudokirchnerella subcapita: 3,8 mg/l (IUCLID).
	LC50, (96h), Oncorhynchus mykiss: 3,0 mg/l (IUCLID).
	EC50, (48h), Daphnia magna: 1,1 mg/l (IUCLID).

**12.2 Persistence and degradability****Behaviour in environment compartments**

No information available.

**Behaviour in sewage plant**

No information available.

**Biological degradability**

CAS 101-68-8: The product is not readily biodegradable.

**12.3 Bioaccumulative potential**

Not likely to bioaccumulate

**12.4 Mobility in soil**

No information available.

**12.5 Results of PBT and vPvB assessment**

No information available.

**12.6 Other adverse effects**

Ecological data of complete product are not available.

The product was classified on the basis of the calculation procedure of the preparation directive.

The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

Do not discharge product unmonitored into the environment or into the drainage.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities.

**Product**Dispose of as hazardous waste.  
For recycling, consult manufacturer.**Contaminated packaging**Uncontaminated packaging may be taken for recycling.  
Packaging that cannot be cleaned should be disposed of as for product.

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**SECTION 14: Transport information****14.1 UN number**

See SECTION 14.2 in accordance with UN shipping name

**14.2 UN proper shipping name****Transport by land according to ADR/RID**

UN 1268 Petroleum Distillates, N.O.S. (Petroleum Naptha), MARINE POLLUTANT

**- Classification Code**

M6

**- Label****- ADR LQ**

5 I

**- ADR 1.1.3.6 (8.6)**

Transport category (tunnel restriction code) 3 (E)

**Inland navigation (ADN)**

UN 1268 Petroleum Distillates, N.O.S. (Petroleum Naptha), MARINE POLLUTANT

**- Classification Code**

M6

**- Label****Marine transport in accordance with IMDG**

UN 1268 Petroleum Distillates, N.O.S. (Petroleum Naptha), MARINE POLLUTANT

**- EMS**

F-A, S-F

**- Label****- IMDG LQ**

5 I

**Air transport in accordance with IATA** UN 1268 Petroleum Distillates, N.O.S. (Petroleum Naptha), MARINE POLLUTANT**- Label****DOT Road Shipment Information (49 CFR)** UN/NA NA1993 Combustible liquid, n.o.s.

Footnote: This material is not regulated under 49 CFR in a container of 119 gallon capacity or less when transported solely by land. Comb liq III

**14.3 Transport hazard class(es)**

See SECTION 14.2 in accordance with UN shipping name

**14.4 Packing group**

See SECTION 14.2 in accordance with UN shipping name

**14.5 Environmental hazards**

See SECTION 14.2 in accordance with UN shipping name

**14.6 Special precautions for user**

Relevant information under SECTION 6 to 8.

**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code**

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**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

<b>TRANSPORT-REGULATIONS</b>	DOT-Classification, ADR (2015); IMDG-Code (2015, 37. Amdt.); IATA-DGR (2015).
<b>NATIONAL REGULATIONS (GHS):</b>	GHS Rev.5 (2013)
- Observe employment restrictions for people	Observe employment restrictions for young people. Observe employment restrictions for mothers-to-be and nursing mothers.
- VOC (1999/13/CE)	No information available.

**15.2 Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**15.3 U.S. Toxic Substances Control Act (TSCA 8b)** All components are listed or exempted.**SECTION 16: Other information****16.1 Hazard statements (SECTION 3)**

H411 Toxic to aquatic life with long lasting effects.  
H336 May cause drowsiness or dizziness.  
H304 May be fatal if swallowed and enters airways.  
H410 Very toxic to aquatic life with long lasting effects.  
H400 Very toxic to aquatic life.  
H302 Harmful if swallowed.  
H317 May cause an allergic skin reaction.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H315 Causes skin irritation.  
H335 May cause respiratory irritation.  
H319 Causes serious eye irritation.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H332 Harmful if inhaled.

**16.2 Abbreviations and acronyms:**

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
CAS = Chemical Abstracts Service  
CLP = Classification, Labelling and Packaging  
DMEL = Derived Minimum Effect Level  
DNEL = Derived No Effect Level  
EC50 = Median effective concentration  
ECB = European Chemicals Bureau  
EEC = European Economic Community  
EINECS = European Inventory of Existing Commercial Chemical Substances  
ELINCS = European List of Notified Chemical Substances  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IC50 = Inhibition concentration, 50%  
IMDG = International Maritime Code for Dangerous Goods  
IUCLID = International Uniform Chemical Information Database  
LC50 = Lethal concentration, 50%  
LD50 = Median lethal dose  
MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
PBT = Persistent, Bioaccumulative and Toxic substance  
PNEC = Predicted No-Effect Concentration  
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
TLV®/TWA = Threshold limit value – time-weighted average  
TLV®STEL = Threshold limit value – short-time exposure limit  
VOC = Volatile Organic Compounds  
vPvB = very Persistent and very Bioaccumulative

### 16.3 Other information

#### Classification procedure

Flam. Liq. 4: H227 Combustible Liquid. (On basis of test data)  
Asp. Tox. 1: H304 May be fatal if swallowed and enters airways. (Calculation method)  
Skin Irrit. 2: H315 Causes skin irritation. (Calculation method)  
Skin Sens. 1: H317 May cause an allergic skin reaction. (Calculation method)  
Eye Irrit. 2: H319 Causes serious eye irritation. (Calculation method)  
Acute Tox. 4: H332 Harmful if inhaled. (Calculation method)  
Resp. Sens. 1: H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. (Calculation method)  
STOT SE 3: H335 May cause respiratory irritation. (Calculation method)  
STOT SE 3: H336 May cause drowsiness or dizziness. (Calculation method)  
STOT RE 2: H373 May cause damage to organs through prolonged or repeated exposure. (Calculation method)  
Aquatic Chronic 2: H411 Toxic to aquatic life with long lasting effects. (Calculation method)

#### Modified position

none



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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Flash Floor Part B****1.2 Relevant identified uses of the substance or mixture and uses advised against****1.2.1 Relevant uses**

Fillers  
Repair

**1.2.2 Uses advised against**

None known.

**1.3 Details of the supplier of the safety data sheet**

**Company** Maintenance Solutions, SE LLC  
100 Newland Rd.  
Townville, SC 29689 / USA  
Phone 888.405.8825  
Fax +1 864.287.4536  
Homepage [www.flashfloor.net](http://www.flashfloor.net)  
E-mail [flash.floor@yahoo.com](mailto:flash.floor@yahoo.com)

**Address enquiries to****Technical information** [flash.floor@yahoo.com](mailto:flash.floor@yahoo.com)**Safety Data Sheet** [sdb@chemiebuero.de](mailto:sdb@chemiebuero.de)**1.4 Emergency telephone number****Company** 1-888-735-2747**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**

Flam. Liq. 4: H227 Combustible Liquid.  
Asp. Tox. 1: H304 May be fatal if swallowed and enters airways.  
STOT SE 3: H336 May cause drowsiness or dizziness.  
Aquatic Chronic 2: H411 Toxic to aquatic life with long lasting effects.

**2.2 Label elements****Hazard pictograms****Signal word**

DANGER

**Hazard statements**

H227 Combustible Liquid.  
H304 May be fatal if swallowed and enters airways.  
H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements**

P201 Obtain special instructions before use.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261 Avoid breathing vapours / spray.  
P273 Avoid release to the environment.  
P280 Wear protective gloves / protective clothing / eye protection / face protection.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER / doctor.  
P331 Do NOT induce vomiting.  
P308+P313 IF exposed or concerned: Get medical advice / attention.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P501 Dispose of contents / container to in accordance with local / regional / national / international regulation.

**2.3 Other hazards****Other hazards**

Further hazards were not determined with the current level of knowledge.

**SECTION 3: Composition / Information on ingredients****Product-type:**

The product is a mixture.

Range [%]	Substance
40 - 60	Solvent naphtha (petroleum), heavy arom. CAS: 64742-94-5, EINECS/ELINCS: 265-198-5, EU-INDEX: 649-424-00-3 GHS/CLP: Asp. Tox. 1: H304 - STOT SE 3: H336 - Aquatic Chronic 2: H411

**Comment on component parts**Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%.  
For full text of H-statements: see SECTION 16.**SECTION 4: First aid measures****4.1 Description of first aid measures****General information**

Take off contaminated clothing and wash before reuse.

**Inhalation**Ensure supply of fresh air.  
Remove the victim into fresh air and keep him calm.  
In the event of symptoms seek medical treatment.**Skin contact**In case of contact with skin wash off immediately with soap and water.  
Consult a doctor if skin irritation persists.**Eye contact**Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.**Ingestion**Do not induce vomiting.  
Rinse out mouth and give plenty of water to drink.  
Consult a doctor immediately.**4.2 Most important symptoms and effects, both acute and delayed**Nausea, vomiting.  
Headache**4.3 Indication of any immediate medical attention and special treatment needed**Treat symptomatically.  
If swallowed or in the event of vomiting, risk of product entering the lungs.**SECTION 5: Fire-fighting measures****5.1 Extinguishing media****Suitable extinguishing media**Dry powder.  
Carbon dioxide.  
Foam.**Extinguishing media that must not be used**

Full water jet

**5.2 Special hazards arising from the substance or mixture**Risk of formation of toxic pyrolysis products.  
Carbon monoxide (CO)  
Nitrogen oxides (NOx).  
Not combusted hydrocarbons.

### 5.3 Advice for firefighters

Do not inhale explosion and/or combustion gases.

Use self-contained breathing apparatus.

Wear full protective suit.

Heat causes increase in pressure and risk of bursting - Keep away from the container.

Cool containers at risk with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Use breathing apparatus if exposed to vapours/aerosol.

Use personal protective equipment.

Remove persons to safety.

High risk of slipping due to leakage/spillage of product.

Keep away from all sources of ignition.

### 6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).

Do not discharge into the drains/surface waters/groundwater.

In case the product spills into drains/surface waters/groundwater, immediately inform the authorities.

### 6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g. general-purpose binder).

Dispose of absorbed material in accordance with the regulations.

### 6.4 Reference to other sections

See SECTION 8+13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Use only in well-ventilated areas.

Avoid spilling or spraying in enclosed areas.

Vacuuming in situ required.

Keep away from open flames, hot surfaces and sources of ignition.

Take precautionary measures against static discharges.

Use explosion-proofed equipment/fittings and non-sparkling tools.

Do not eat, drink, smoke or take drugs at work.

Take off contaminated clothing and wash before reuse.

Contaminated work clothing should not be allowed out of the workplace.

Showers and eye wash stations should be provided.

Clean skin thoroughly after work, apply skin cream.

Use barrier skin cream.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.

Prevent penetration into the ground.

Do not store together with oxidizing agents.

Keep container tightly closed.

Keep container in a well-ventilated place.

Keep in a cool place. Store in a dry place.

Protect from heat/overheating and from sun.

### 7.3 Specific end use(s)

See product use, SECTION 1.2

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**SECTION 8: Exposure controls / personal protection****8.1 Control parameters**

Ingredients with occupational  
exposure limits to be monitored

	Substance
	Solvent naphtha (petroleum), heavy arom.
	CAS: 64742-94-5, EINECS/ELINCS: 265-198-5, EU-INDEX: 649-424-00-3
	Long-term exposure: 100 ppm, 525 mg/m <sup>3</sup> , OSHA

**8.2 Exposure controls**

<b>Additional advice on system design</b>	Ensure adequate ventilation on workstation. Using suitable discharges or exhaust ventilation.
<b>Eye protection</b>	safety glasses
<b>Hand protection</b>	The details concerned are recommendations. Please contact the glove supplier for further information. 0,7mm: Butyl rubber, >480 min 0,7mm: Nitrile rubber, >480 min 0,7mm: Neoprene, >480 min
<b>Skin protection</b>	Protective clothing.
<b>Other</b>	Avoid contact with eyes and skin. Do not breathe vapour/spray. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.
<b>Respiratory protection</b>	If ventilation is insufficient, wear respiratory protection.
<b>Thermal hazards</b>	not applicable
<b>Delimitation and monitoring of the environmental exposition</b>	Comply with applicable environmental regulations limiting discharge to air, water and soil.



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**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

<b>Form</b>	liquid
<b>Color</b>	No information available.
<b>Odor</b>	mild aromatic
<b>Odour threshold</b>	No information available.
<b>pH-value</b>	not applicable
<b>pH-value [1%]</b>	not applicable
<b>Boiling point [°C]</b>	> 176°C / > 350°F
<b>Flash point [°C]</b>	62°C / 145°F
<b>Flammability (solid, gas) [°C]</b>	not applicable
<b>Lower explosion limit</b>	No information available.
<b>Upper explosion limit</b>	No information available.
<b>Oxidizing properties</b>	no
<b>Vapour pressure/gas pressure [kPa]</b>	No information available.
<b>Density [g/ml]</b>	1,00 (20 °C / 68,0 °F)
<b>Bulk density [kg/m<sup>3</sup>]</b>	not applicable
<b>Solubility in water</b>	reacts with water
<b>Partition coefficient [n-octanol/water]</b>	No information available.
<b>Viscosity</b>	No information available.
<b>Relative vapour density determined in air</b>	No information available.
<b>Evaporation speed</b>	No information available.
<b>Melting point [°C]</b>	No information available.
<b>Autoignition temperature [°C]</b>	No information available.
<b>Decomposition temperature [°C]</b>	No information available.

**9.2 Other information**

none

**SECTION 10: Stability and reactivity****10.1 Reactivity**

Upon decomposition in closed containers and tubes risk of bursting due to buildup of overpressure.

**10.2 Chemical stability**

Stable under normal ambient conditions (ambient temperature).

**10.3 Possibility of hazardous reactions**

Reactions with isocyanates.  
Reactions with strong oxidizing agents.

**10.4 Conditions to avoid**

Keep away from open flames, hot surfaces and sources of ignition.  
Strong heating.  
Sunlight

**10.5 Incompatible materials**

See SECTION 10.3.

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**10.6 Hazardous decomposition products**

In the event of fire: See SECTION 5.

**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity**

Product
ATE-mix, oral, > 5000 mg/kg.

Range [%]	Substance
40 - 60	Solvent naphtha (petroleum), heavy arom., CAS: 64742-94-5
	LD50, oral, Rat: > 5000 mg/kg (Lit.).

<b>Serious eye damage/irritation</b>	Toxicological data of complete product are not available. Based on the available information, the classification criteria are not fulfilled.
<b>Skin corrosion/irritation</b>	Toxicological data of complete product are not available. Based on the available information, the classification criteria are not fulfilled.
<b>Respiratory or skin sensitisation</b>	Toxicological data of complete product are not available. Based on the available information, the classification criteria are not fulfilled.
<b>Specific target organ toxicity — single exposure</b>	Toxicological data of complete product are not available. Vapours may cause drowsiness and dizziness. Calculation method
<b>Specific target organ toxicity — repeated exposure</b>	Toxicological data of complete product are not available. Based on the available information, the classification criteria are not fulfilled.
<b>Mutagenicity</b>	Toxicological data of complete product are not available. Based on the available information, the classification criteria are not fulfilled.
<b>Reproduction toxicity</b>	Toxicological data of complete product are not available. Based on the available information, the classification criteria are not fulfilled.
<b>Carcinogenicity</b>	Toxicological data of complete product are not available. Based on the available information, the classification criteria are not fulfilled.
<b>Aspiration hazard</b>	Toxicological data of complete product are not available. May be fatal if swallowed and enters airways. Calculation method
<b>General remarks</b>	Symptoms: abdominal pain, nausea, vomiting, diarrhoea. May cause irritation of eye and skin.  The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

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**SECTION 12: Ecological information****12.1 Toxicity**

Range [%]	Substance
40 – 60	Solvent naphtha (petroleum), heavy arom. Cas: 64742-94-5)
	EC50, (72h), Pseudokirchnerella subcapita: 3,8 mg/l (IUCLID).
	LC50, (96h), Oncorhynchus mykiss: 3,0 mg/l (IUCLID).
	EC50, (48h), Daphnia magna: 1,1 mg/l (IUCLID).

**12.2 Persistence and degradability**

Readily biodegradable in the environment

**Behaviour in environment compartments** No information available.

**Behaviour in sewage plant** No information available.

**Biological degradability** No information available.

**12.3 Bioaccumulative potential**

Not likely to bioaccumulate in aquatic organisms

**12.4 Mobility in soil**

No information available.

**12.5 Results of PBT and vPvB assessment**

No information available.

**12.6 Other adverse effects**

Ecological data of complete product are not available.

The product was classified on the basis of the calculation procedure of the preparation directive.

The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

Do not discharge product unmonitored into the environment or into the drainage.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities.

**Product** Dispose of as hazardous waste.  
For recycling, consult manufacturer.

**Contaminated packaging** Uncontaminated packaging may be taken for recycling.  
Packaging that cannot be cleaned should be disposed of as for product.

**SECTION 14: Transport information****14.1 UN number**

See SECTION 14.2 in accordance with UN shipping name

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**14.2 UN proper shipping name**

**Transport by land according to ADR/RID** UN 1268 Petroleum Distillates, N.O.S. (Petroleum Naptha), MARINE POLLUTANT

- Classification Code

M6

- Label



- ADR LQ

5 I

- ADR 1.1.3.6 (8.6)

Transport category (tunnel restriction code) 3 (E)

**Inland navigation (ADN)** UN 1268 Petroleum Distillates, N.O.S. (Petroleum Naptha), MARINE POLLUTANT

- Classification Code

M6

- Label



**Marine transport in accordance with IMDG**

UN 1268 Petroleum Distillates, N.O.S. (Petroleum Naptha), MARINE POLLUTANT

- EMS

F-A, S-F

- Label



- IMDG LQ

5 I

**Air transport in accordance with IATA** Not regulated

- Label

**DOT Road Shipment Information (49 CFR)** UN 1268 Petroleum Distillates, N.O.S. (Petroleum Naptha), MARINE POLLUTANT

Footnote: This material is not regulated under 49 CFR in a container of 119 gallon capacity or less when transported solely by land. Comb liq III

**14.3 Transport hazard class(es)**

See SECTION 14.2 in accordance with UN shipping name

**14.4 Packing group**

See SECTION 14.2 in accordance with UN shipping name

**14.5 Environmental hazards**

See SECTION 14.2 in accordance with UN shipping name

**14.6 Special precautions for user**

Relevant information under SECTION 6 to 8.

**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code**

No information available.

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****TRANSPORT-REGULATIONS**

DOT-Classification, ADR (2015); IMDG-Code (2015, 37. Amdt.); IATA-DGR (2015).

**NATIONAL REGULATIONS (GHS):**

GHS Rev.5 (2013)

- Observe employment restrictions for people

Observe employment restrictions for young people.  
Observe employment restrictions for mothers-to-be and nursing mothers.

- VOC (1999/13/CE)

No information available.

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**15.2 Chemical safety assessment** Chemical safety assessments for substances in this mixture were not carried out.

**15.3 U.S. Toxic Substances Control Act (TSCA 8b)** All components are listed or exempted.

## SECTION 16: Other information

### 16.1 Hazard statements (SECTION 3)

H410 Very toxic to aquatic life with long lasting effects.  
 H400 Very toxic to aquatic life.  
 H302 Harmful if swallowed.  
 H411 Toxic to aquatic life with long lasting effects.  
 H336 May cause drowsiness or dizziness.  
 H304 May be fatal if swallowed and enters airways.

### 16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
 RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
 ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
 CAS = Chemical Abstracts Service  
 CLP = Classification, Labelling and Packaging  
 DMEL = Derived Minimum Effect Level  
 DNEL = Derived No Effect Level  
 EC50 = Median effective concentration  
 ECB = European Chemicals Bureau  
 EEC = European Economic Community  
 EINECS = European Inventory of Existing Commercial Chemical Substances  
 ELINCS = European List of Notified Chemical Substances  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
 IC50 = Inhibition concentration, 50%  
 IMDG = International Maritime Code for Dangerous Goods  
 IUCLID = International Uniform Chemical Information Database  
 LC50 = Lethal concentration, 50%  
 LD50 = Median lethal dose  
 MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
 PBT = Persistent, Bioaccumulative and Toxic substance  
 PNEC = Predicted No-Effect Concentration  
 REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
 TLV@/TWA = Threshold limit value – time-weighted average  
 TLV@STEL = Threshold limit value – short-time exposure limit  
 VOC = Volatile Organic Compounds  
 vPvB = very Persistent and very Bioaccumulative

### 16.3 Other information

#### Classification procedure

Flam. Liq. 4: H227 Combustible Liquid. (On basis of test data)  
 Asp. Tox. 1: H304 May be fatal if swallowed and enters airways. (Calculation method)  
 STOT SE 3: H336 May cause drowsiness or dizziness. (Calculation method)  
 Aquatic Chronic 2: H411 Toxic to aquatic life with long lasting effects. (Calculation method)

#### Modified position

none



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