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P243	Take action to prevent static discharges.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P403+P235	Store in a well-ventilated place. Keep cool.

Special labelling of certain mixtures

EUH066	Repeated exposure may cause skin dryness or cracking.
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SECTION 3: Composition/information on ingredients
3.2. Mixtures
Hazardous components

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	GHS Classification	
64742-49-0	Naphtha (petroleum), hydrotreated light	10 - < 25%
	927-241-2	649-328-00-1
		01-2119471843-32
	Flam. Liq. 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 3; H226 H336 H304 H412 EUH066	
64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy	5 - < 10%
	927-344-2	649-330-00-2
		01-2119463586-28
	Flam. Liq. 3, STOT SE 3, STOT RE 1, Asp. Tox. 1, Aquatic Chronic 2; H226 H336 H372 H304 H411 EUH066	
64742-95-6	Hydrocarbons, C9, aromatics	5 - < 10%
	918-668-5	649-356-00-4
		01-2119455851-35
	Flam. Liq. 3, STOT SE 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H335 H336 H304 H411 EUH066	
64742-95-6	Solvent naphtha (petroleum), light arom.	5 - < 10%
	918-668-5	649-356-00-4
		01-2119455851-35
	Flam. Liq. 3, Acute Tox. 4, STOT SE 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H332 H335 H336 H304 H411 EUH066	
108-32-7	propylene carbonate	1 - < 3 %
	203-572-1	607-194-00-1
		01-2119537232-48
	Eye Irrit. 2; H319	

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures
4.1. Description of first aid measures
General information

Remove contaminated, saturated clothing immediately.

After inhalation

Provide fresh air.

After contact with skin

Wash with plenty of water. In case of skin irritation, consult a physician.

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

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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.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

In case of fire, use sand, extinguishing powder or alcohol resistant foam.

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Gases/vapours, toxic

5.3. Advice for firefighters

Wear respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Use appropriate respiratory protection. Wear personal protection equipment. Avoid contact with skin, eyes and clothes.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Provide adequate ventilation.

6.4. Reference to other sections

See protective measures under point 7 and 8. Disposal: see section 13

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Provide adequate ventilation as well as local exhaustion at critical locations. Use only in well-ventilated areas.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

No special measures are necessary.

Hints on joint storage

Not required.

Further information on storage conditions

Keep container tightly closed.

7.3. Specific end use(s)

Not required.

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

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DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
64742-49-0	Naphtha (petroleum), hydrotreated light			
Worker DNEL, long-term		inhalation	systemic	871 mg/m ³
Worker DNEL, long-term		dermal	systemic	208 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	185 mg/m ³
Consumer DNEL, long-term		dermal	systemic	125 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	125 mg/kg bw/day
64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy			
Consumer DNEL, long-term		oral	systemic	26 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	44 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	871 mg/m ³
64742-95-6	Hydrocarbons, C9, aromatics			
Worker DNEL, long-term		inhalation	systemic	150 mg/m ³
Worker DNEL, long-term		dermal	systemic	25 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	32 mg/m ³
Consumer DNEL, long-term		dermal	systemic	11 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	11 mg/kg bw/day
64742-95-6	Solvent naphtha (petroleum), light arom.			
Worker DNEL, long-term		inhalation	systemic	150 mg/m ³
Worker DNEL, long-term		dermal	systemic	25 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	32 mg/m ³
Consumer DNEL, long-term		dermal	systemic	11 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	11 mg/kg bw/day
108-32-7	propylene carbonate			
Worker DNEL, long-term		inhalation	systemic	70,56 mg/m ³
Worker DNEL, long-term		inhalation	local	20 mg/m ³
Worker DNEL, long-term		dermal	systemic	20 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	17,4 mg/m ³
Consumer DNEL, long-term		inhalation	local	10 mg/m ³
Consumer DNEL, long-term		dermal	systemic	10 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	10 mg/kg bw/day

PNEC values

CAS No	Substance	Value
108-32-7	propylene carbonate	
Freshwater		0,9 mg/l
Marine water		0,9 mg/l
Micro-organisms in sewage treatment plants (STP)		7400 mg/l
Soil		0,81 mg/kg

8.2. Exposure controls

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

Physical state:	Liquid
Colour:	black
Odour:	characteristic

Changes in the physical state

Initial boiling point and boiling range:	135 °C
Flash point:	29 °C
Lower explosion limits:	0,8 vol. %
Upper explosion limits:	6 vol. %
Ignition temperature:	> 200 °C
Vapour pressure: (at 20 °C)	5 hPa
Vapour pressure: (at 50 °C)	30 hPa
Density:	1,03 g/cm ³
Viscosity / dynamic: (at 20 °C)	3500 mPa·s
Solvent content:	org. Lösemittel 41,9 % Wassergehalt 0,1 %

9.2. Other information

Solid content:	59 %
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SECTION 10: Stability and reactivity**10.1. Reactivity**

No further relevant information available.

10.2. Chemical stability

No known hazardous decomposition products.

10.3. Possibility of hazardous reactions

No known hazardous decomposition products.

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 toxicological effects**

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Acute toxicity

CAS No	Chemical name					
	Exposure route	Dose		Species	Source	Method
64742-49-0	Naphtha (petroleum), hydrotreated light					
	oral	LD50 mg/kg	4951	Rat		
	dermal	LD50 mg/kg	5000	Rabbit		
	inhalation (4 h) vapour	LC50	4951 mg/l	Rat		
64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy					
	oral	LD50 mg/kg	>15000	Rat		
	dermal	LD50 mg/kg	3400	Rabbit		
64742-95-6	Hydrocarbons, C9, aromatics					
	oral	LD50 mg/kg	3592	Rat		
	dermal	LD50 mg/kg	>3160	Rabbit		
	inhalation (4 h) vapour	LC50	>6193 mg/l	Rat		
64742-95-6	Solvent naphtha (petroleum), light arom.					
	oral	LD50 mg/kg	>6800	Rat		
	dermal	LD50 mg/kg	>2000	Rabbit		
	inhalation (4 h) vapour	LC50	10,2 mg/l	Rat		
	inhalation aerosol	ATE	1,5 mg/l			
108-32-7	propylene carbonate					
	oral	LD50 mg/kg	33520	Rat	GESTIS	
	dermal	LD50 mg/kg	> 20000	Rabbit	GESTIS	

SECTION 12: Ecological information
12.1. Toxicity

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy					
	Acute fish toxicity	LC50 mg/l	10-30	96 h	Oncorhynchus mykiss (Rainbow trout)	
	Acute algae toxicity	ErC50 mg/l	4,6-10	72 h	Pseudokirchneriella subcapitata	
	Acute crustacea toxicity	EC50 mg/l	10-22	48 h	Daphnia magna (Big water flea)	
64742-95-6	Hydrocarbons, C9, aromatics					
	Acute fish toxicity	LC50	9,2 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	
	Acute algae toxicity	ErC50	2,9 mg/l	72 h	Pseudokirchneriella subcapitata	
	Acute crustacea toxicity	EC50	3,2 mg/l	48 h	Daphnia magna (Big water flea)	
64742-95-6	Solvent naphtha (petroleum), light arom.					
	Acute fish toxicity	LC50	9,2 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	
	Acute algae toxicity	ErC50	2,9 mg/l	72 h	Pseudokirchneriella subcapitata	
	Acute crustacea toxicity	EC50	3,2 mg/l	48 h	Daphnia magna (Big water flea)	
108-32-7	propylene carbonate					
	Acute crustacea toxicity	EC50 mg/l	> 1000	48 h	Daphnia magna (Big water flea)	

12.2. Persistence and degradability

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
108-32-7	propylene carbonate			
	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	83,5-87,7 %	29	
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential
Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
108-32-7	propylene carbonate	-0,41

12.4. Mobility in soil

No further relevant information available.

12.5. Results of PBT and vPvB assessment

not applicable

12.6. Other adverse effects

No further relevant information available.

SECTION 13: Disposal considerations
13.1. Waste treatment methods
Disposal recommendations

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection

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point.

List of Wastes Code - residues/unused products

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste

Contaminated packaging

Dispose of waste according to applicable legislation.

SECTION 14: Transport information

Land transport (ADR/RID)

14.2. UN proper shipping name: No dangerous good in sense of these transport regulations.

Inland waterways transport (ADN)

14.2. UN proper shipping name: Coating Solution

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 1139
14.2. UN proper shipping name: COATING SOLUTION
14.3. Transport hazard class(es): 3
14.4. Packing group: III
 Hazard label: 3



Special Provisions: A3
 Limited quantity Passenger: 10 L
 Passenger LQ: Y344
 Excepted quantity: E1
 IATA-packing instructions - Passenger: 355
 IATA-max. quantity - Passenger: 60 L
 IATA-packing instructions - Cargo: 366
 IATA-max. quantity - Cargo: 220 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15: Regulatory information

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

EU regulatory information

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2004/42/EC (VOC): 40,90 %
421,2 g/l

Information according to 2012/18/EU (SEVESO III): P5c FLAMMABLE LIQUIDS

National regulatory information

Water hazard class (D): 2 - obviously hazardous to water

SECTION 16: Other information
Changes

This data sheet contains changes from the previous version in section(s): 1,2,4,5,6,7,9,12,13,14,15.

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Flam. Liq. 3; H226	On basis of test data
STOT SE 3; H336	Calculation method
STOT RE 2; H373	Calculation method
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (number and full text)

H226 Flammable liquid and vapour.
 H304 May be fatal if swallowed and enters airways.
 H319 Causes serious eye irritation.
 H332 Harmful if inhaled.
 H335 May cause respiratory irritation.
 H336 May cause drowsiness or dizziness.
 H372 Causes damage to organs through prolonged or repeated exposure.
 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.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)