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- H304 May be fatal if swallowed and enters airways.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P273 Avoid release to the environment.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
- P331 Do NOT induce vomiting.
- P403+P235 Store in a well-ventilated place. Keep cool.

Special labelling of certain mixtures

- EUH066 Repeated exposure may cause skin dryness or cracking.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
265-199-0	Lösungsmittelnaphta, leichte aromatische, Benzolgehalt <0,1%	80 - < 85 %
64742-95-6	Xn - Harmful, Xi - Irritant, N - Dangerous for the environment R10-37-51-53-65-66-67	
	Flam. Liq. 3, STOT SE 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H335 H336 H304 H411 EUH066	
203-603-9	2-methoxy-1-methylethyl acetate	15 - < 20 %
108-65-6	R10	
607-195-00-7	Flam. Liq. 3; H226	
204-626-7	4-hydroxy-4-methylpentan-2-one, diacetone alcohol	1 - < 5 %
123-42-2	Xi - Irritant R36	
603-016-00-1	Eye Irrit. 2; H319	

Full text of R-, H- and EUH-phrases: see section 16.

Further Information

Full text of R-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible). Give nothing to eat or drink.

After inhalation

In case of inhaling spray mists, consult a doctor immediately and show him box or label. If victim is at risk of losing consciousness, position and transport on their side. Provide fresh air.

After contact with skin

Take off immediately all contaminated clothing. Change contaminated clothing. Wash thoroughly (shower or bath).

After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at



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least 5 minutes. Subsequently consult an ophthalmologist.

After ingestion

Do not induce vomiting. Immediately get medical attention.

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

Vapours may cause drowsiness and dizziness. Frequently or prolonged contact with skin may cause dermal irritation.

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

In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam. Dry extinguishing powder. Carbon dioxide (CO₂). ABC powder.

Extinguishing media which must not be used for safety reasons

High power water jet.

5.2. Special hazards arising from the substance or mixture

Burning produces large quantities of soot. In case of fire and/or explosion do not breathe fumes. Use water spray/stream to protect personnel and to cool endangered containers. Contaminated fire-fighting water must be collected separately.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Contaminated fire-fighting water must be collected separately. Remove product from area of fire. Extinguishing materials should be selected according to the surrounding area.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Provide adequate ventilation. See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not empty into drains or the aquatic environment. In case of gas being released or leakage into waters, ground or the drainage system, the appropriate authorities must be informed.

6.3. Methods and material for containment and cleaning up

Treat the assimilated material according to the section on waste disposal.

6.4. Reference to other sections

See protective measures under point 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Preventive measures: In case of open handling equipment with built-in suction must be used. It is recommended to organize all working processes in order to exclude the following: inhalation. skin contact. Eye contact. Take precautionary measures against static discharges.

Advice on protection against fire and explosion

Vapours may form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep only in the original container in a cool, well-ventilated place. Take precautionary measures



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against static discharges.

Advice on storage compatibility

Materials to avoid: Acid. Base. Material, combustible. Oxidizing agents.

Further information on storage conditions

Keep away from sources of ignition - No smoking. Protect against: heat. Keep/Store only in original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
108-65-6	1-Methoxypropyl acetate	50	274		TWA (8 h)	WEL
					STEL (15 min)	WEL
123-42-2	4-Hydroxy-4-methyl-pentan-2-one	50	241		TWA (8 h)	WEL
		75	362		STEL (15 min)	WEL
64742-95-6	Lösungsmittelnaphtha, leichte aromatische, Benzolgehalt <0,1%		100		TWA (8 h)	
					STEL (15 min)	

8.2. Exposure controls

Occupational exposure controls

Occupational exposure controls: Refer to chapter 7. No further action is necessary.

Respiratory protection

Respiratory protection required in case of: exceeding critical value insufficient ventilation. insufficient absorption.

Hand protection

Tested protective gloves are to be worn:
Suitable material: NBR (Nitrile rubber). , Butyl rubber.
Thickness of glove material: >0,4mm
penetration time (maximum wearing period): >480min
German Industry Norms (DIN) / European Norms (EN): DIN EN 374

Eye protection

Suitable eye protection: Framed glasses. Goggles.

Skin protection

Suitable protection of the body: Lab apron.

Environmental exposure controls

Refer to chapter 7 No further action is necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid
Colour: colourless
Odour: hydrocarbons, aromatic.

Test method

Changes in the physical state

Initial boiling point and boiling range: 135 °C



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Flash point:	40 °C
Lower explosion limits:	0,8 vol. %
Upper explosion limits:	10,8 vol. %
Ignition temperature:	315 °C
Vapour pressure: (at 20 °C)	3,1 hPa
Density (at 20 °C):	0,886 g/cm³
Solvent content:	100 %
	VOC-value (in g/l): 886

9.2. Other information

Solid content:	0 %
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SECTION 10: Stability and reactivity

10.1. Reactivity

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

10.2. Chemical stability

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

10.3. Possibility of hazardous reactions

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

10.4. Conditions to avoid

Conditions to avoid:
In case of warming: Danger of bursting container.

10.5. Incompatible materials

Alkalis (alkalis). Acid. Oxidizing agents.

10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapors.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Toxicological data are not available.

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	h
64742-95-6	Lösungsmittelnaphta, leichte aromatische, Benzolgehalt <0,1%				
	Acute oral toxicity	LD50	2000 mg/kg	Rat.	
	Acute dermal toxicity	LD50	3160 mg/kg	Rabbit.	
	Acute inhalation toxicity	LC50	5,2 mg/l	Rat.	4
108-65-6	2-methoxy-1-methylethyl acetate				
	Acute oral toxicity	LD50	8532 mg/kg	Rat	
	Acute dermal toxicity	LD50	7500 mg/kg	Rabbit	
123-42-2	4-hydroxy-4-methylpentan-2-one, diacetone alcohol				
	Acute oral toxicity	LD50	2520 mg/kg	Rat	
	Acute dermal toxicity	LD50	13630 mg/kg	Rabbit	



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Specific effects in experiment on an animal

Rat. LD50: 4300 - 5800 mg/kg Acute toxicity, oral
Data apply to the principal component.

Irritation and corrosivity

Evaluation: Not an irritant.

Severe effects after repeated or prolonged exposure

Has de-greasing effect on the skin.

Further information

Toxicological data are not available.

SECTION 12: Ecological information

12.1. Toxicity

Doesn't get into the sewage water as long as the process is carried out according to regulations.
Very toxic for Water fleas.

CAS No	Chemical name			Species	h
	Aquatic toxicity	Method	Dose		
108-65-6	2-methoxy-1-methylethyl acetate				
	Acute fish toxicity	LC50	161 mg/l	Pimephales promelas	96 h
	Acute crustacea toxicity	EC50	408 mg/l	Daphnia magna	48 h
123-42-2	4-hydroxy-4-methylpentan-2-one, diacetone alcohol				
	Acute fish toxicity	LC50	420 mg/l	Lepomis macrochirus	96 h

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
108-65-6	2-methoxy-1-methylethyl acetate	0,43
123-42-2	4-hydroxy-4-methylpentan-2-one, diacetone alcohol	1,03

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No data available

Further information

Do not allow uncontrolled leakage of product into the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal number of waste from residues/unused products

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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 dangerous substances
Classified as hazardous waste.

Waste disposal number of used product

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 dangerous substances
Classified as hazardous waste.

Waste disposal number of 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 dangerous substances
Classified as hazardous waste.

Contaminated packaging

Hand over to officially registered waste disposal company.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: 1263
14.2. UN proper shipping name: PAINT (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base)
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3



Classification code: F1
Limited quantity: LQ7
Hazard No: 33

Other applicable information (land transport)

: 163 640H 650
: 3
: E

Inland waterways transport (ADN)

14.1. UN number: 1263
14.2. UN proper shipping name: PAINT (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base)
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3



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Classification code: F1
Limited quantity: LQ7

Other applicable information (inland waterways transport)
: 163 640H 650

Marine transport (IMDG)

14.1. UN number: 1263
14.2. UN proper shipping name: PAINT (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base)
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3



Marine pollutant: •
Limited quantity: 5 L
EmS: F-E, S-E

Other applicable information (marine transport)
: 163, 223, 944, 955

Air transport (ICAO)

UN/ID number: 1263
14.2. UN proper shipping name: PAINT (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base)
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3



Limited quantity Passenger: 10 L
IATA-packing instructions - Passenger: 309
IATA-max. quantity - Passenger: 60 L
IATA-packing instructions - Cargo: 310
IATA-max. quantity - Cargo: 220 L

Other applicable information (air transport)
: Y309

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes



SECTION 15: Regulatory information

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

EU regulatory information

1999/13/EC (VOC): 100 %
VOC-value (in g/l): 886



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National regulatory information

Employment restrictions: Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.

Water contaminating class (D): 2 - water contaminating

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Relevant R-phrases (Number and full text)

- 10 Flammable.
- 36 Irritating to eyes.
- 37 Irritating to respiratory system.
- 51 Toxic to aquatic organisms.
- 53 May cause long-term adverse effects in the aquatic environment.
- 65 Harmful: may cause lung damage if swallowed.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.

Relevant H- and EUH-phrases (Number and full text)

- 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.
- EUH066 Repeated exposure may cause skin dryness or cracking.

Further Information

Product is classified and labelled in accordance with EC regulations or the corresponding national laws.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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