Safety Data Sheet

according to UK REACH Regulation

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Protect Plus

UFI: ME20-C03D-H00C-CW2C

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

Use of the substance/mixture

Hydrophobing agent

Uses advised against

Any non-intended use.

1.3. Details of the supplier of the safety data sheet

Manufacturer

Company name: Schaich Chemie und Bautenschutz GmbH
Street: Ficht 8
Place: D-94107 Untergriesbach
Telephone: +49(0)8593 93 96 207 Telefax: +49(0)8593 93 96 206
e-mail: info@schaich-chemie.de
Internet: www.schaich-chemie.de
Responsible Department: +49 (0)8593 9396207 (8:00-16:00)

Supplier

Company name: Stein & Co. GmbH
Street: Wirtschaftspark Straße 3/9
Place: A-4482 Ennsdorf

1.4. Emergency telephone number:

+49 (0)8593 9396207 (8:00-13:00)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Flam. Liq. 3; H226
Asp. Tox. 1; H304
STOT SE 3; H336

Full text of hazard statements: see SECTION 16.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

Hydrocarbons, C9-C11, n-alkane, iso-alkane, cyclic compounds, aromatics (< 2 %)
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics

Signal word: Danger

Pictograms:

Hazard statements

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

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, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Special labelling of certain mixtures

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

In use, may form flammable/explosive vapour-air mixture.
For information or further instructions, see also section 11 or 12.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Fluorocarbon resin dissolved in solvent

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
64742-48-9	Hydrocarbons, C9-C11, n-alkane, iso-alkane, cyclic compounds, aromatics (< 2 %)			85 - < 90 %
	919-857-5		01-2119463258-33	
	Flam. Liq. 3, STOT SE 3, Asp. Tox. 1; H226 H336 H304 EUH066			
	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics			5 - < 7 %
	918-167-1		01-2119472146-39	
	Flam. Liq. 3, Asp. Tox. 1; H226 H304 EUH066			
246538-78-3	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics			5 - < 7 %
	920-901-0		01-2119456810-40	
	Asp. Tox. 1; H304 EUH066			
34590-94-8	(2-methoxymethylethoxy)propanol			1 - < 3 %
	252-104-2		01-2119450011-60	

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

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
64742-48-9	919-857-5	Hydrocarbons, C9-C11, n-alkane, iso-alkane, cyclic compounds, aromatics (< 2 %)	85 - < 90 %
	dermal: LD50 = 4000 mg/kg; oral: LD50 = 8000 mg/kg		
	918-167-1	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics	5 - < 7 %
	inhalation: LC50 = >5 mg/l (dusts or mists); dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 15000 mg/kg		
246538-78-3	920-901-0	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	5 - < 7 %
	dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 15000 mg/kg		
34590-94-8	252-104-2	(2-methoxymethylethoxy)propanol	1 - < 3 %

	dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg	

Further Information

Product does not contain listed SVHC substances > 0,1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH)

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Take off immediately all contaminated clothing.

After inhalation

Remove person to fresh air and keep comfortable for breathing.
In the event of irregular breathing or respiratory arrest, seek medical help immediately and first aid measures initiate.
No mouth-to-mouth or mouth-to-nose resuscitation. Use Ambu bag or ventilator.

After contact with skin

Take off immediately all contaminated clothing. Wash with plenty of water. In case of skin irritation, seek medical treatment.

After contact with eyes

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.

After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. Never give anything by mouth to an unconscious person or a person with cramps. In all cases of doubt, or when symptoms persist, seek medical advice.

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

following inhalation: Headache. spasms.
Repeated exposure may cause skin dryness or cracking.
Caution if victim vomits: Risk of aspiration!
Swallowing may damage the lungs. (Risk of aspiration) Death following aspiration.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO_2). Dry extinguishing powder. alcohol resistant foam.
In case of major fire and large quantities: Atomized water.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Can be released in case of fire: Carbon monoxide Carbon dioxide (CO_2). Fluorhydric acid.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.In case of fire and/or explosion do not breathe fumes.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Use water spray jet to protect personnel and to cool endangered containers.
In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Remove all sources of ignition. Ventilate affected area.
Do not breathe gas/vapour/aerosol. Avoid contact with skin, eyes and clothes.

For non-emergency personnel

Wear personal protection equipment (refer to section 8).

For emergency responders

No special measures are necessary.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Cover drains. Prevent spread over a wide area (e.g. by containment or oil barriers). In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

For containment

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Treat the recovered material as prescribed in the section on waste disposal.

For cleaning up

Clean contaminated objects and areas thoroughly observing environmental regulations.

Other information

Ventilate affected area.

6.4. Reference to other sections

Safe handling: see section 7
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.
Wear suitable protective clothing. (See section 8.)

Advice on protection against fire and explosion

Keep away from sources of ignition. - No smoking. Take precautionary measures against static discharges.
Flammable vapours can accumulate in head space of closed systems. In use, may form flammable/explosive vapour-air mixture. Heating causes rise in pressure with risk of bursting.

Advice on general occupational hygiene

The usual precautions for handling chemicals should be considered.
Keep away from food, drink and animal feedingstuffs.
Always close containers tightly after the removal of product. Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and after work. Protect skin by using skin protective cream. Take off contaminated clothing.

Further information on handling

General protection and hygiene measures: See section 8.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Protect against direct sunlight.
Ensure adequate ventilation of the storage area.
Make sure spills can be contained (e.g. sump pallets or kerbed areas).

Hints on joint storage

Do not store together with: Gas. Explosives. Flammable solids. Pyrophoric liquids and solids. Self-heating substances and mixtures. Substances and mixtures which, in contact with water, emit flammable gases.

Oxidizing liquids. Oxidizing solids. ammonium nitrate. Self-reactive substances and mixtures. Organic peroxides. Non-combustible toxic substances. Radioactive substances. Infectious substances.

Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorbtion of humidity.
Protect against: UV-radiation/sunlight. heat. Humidity frost.
storage temperature: 15-25°C

7.3. Specific end use(s)

See section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
34590-94-8	(2-methoxymethylethoxy) propanol	50	308		TWA (8 h)	WEL

DNEL/DMEL values

CAS No	Substance		
DNEL type	Exposure route	Effect	Value
34590-94-8	(2-methoxymethylethoxy)propanol		
Consumer DNEL, long-term	dermal	systemic	121 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	36 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	37,2 mg/m³
Worker DNEL, long-term	dermal	systemic	283 mg/kg bw/day
Worker DNEL, long-term	inhalation	systemic	308 mg/m³

PNEC values

CAS No	Substance
Environmental compartment	Value
34590-94-8	(2-methoxymethylethoxy)propanol
Freshwater	19 mg/l
Marine water	1,9 mg/l
Freshwater sediment	70,2 mg/kg
Marine sediment	7,02 mg/kg
Micro-organisms in sewage treatment plants (STP)	4168 mg/l
Soil	2,74 mg/kg

8.2. Exposure controls




Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.
Provide adequate ventilation as well as local exhaustion at critical locations.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible). BS/EN 166

Hand protection

In case of prolonged or frequently repeated skin contact: Wear suitable gloves. (BS EN 374)
Suitable material: Butyl rubber.
Thickness of glove material: 0,5 mm
Breakthrough time >= 480 min. Penetration time (maximum wearing period): ~ 120 min. (estimated)
For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
The selected protective gloves have to satisfy the specifications of EU Directive EC/2016/425 and the standard EN ISO 374 derived from it.
Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Skin protection

Wear suitable protective clothing.
Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500 (D).

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.
Respiratory protection necessary at:
Generation/formation of aerosols
Exceeding exposure limit values
Insufficient ventilation
Suitable respiratory protective equipment: Combination filtering device (EN 14387) Type: A/P1-3
The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Environmental exposure controls

Do not allow uncontrolled discharge of product into the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid.
Colour:	transparent
Odour:	characteristic

Changes in the physical state

Melting point/freezing point:	not applicable
Boiling point or initial boiling point and boiling range:	not determined
Flash point:	not determined

Explosive properties

In use, may form flammable/explosive vapour-air mixture.

Lower explosion limits:	not determined
Upper explosion limits:	not determined
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
pH-Value:	7
Viscosity / dynamic: (at 40 °C)	not determined

Viscosity / kinematic: (at 20 °C)	not determined
Water solubility:	not determined

Solubility in other solvents

not determined

Vapour pressure: (at 20 °C)	not determined
Density:	not determined
Relative vapour density:	not determined

9.2. Other information

Information with regard to physical hazard classes

Oxidizing properties

none.

Other safety characteristics

Solvent separation test:	not determined
Solvent content:	not determined
Solid content:	not determined
Evaporation rate:	not determined

Further Information

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal storage and handling conditions.

10.2. Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.
Refer to chapter 10.5.

10.4. Conditions to avoid

Protect against: UV-radiation/sunlight. heat. Moisture.
In use may form flammable/explosive vapour-air mixture.
Heating causes rise in pressure with risk of bursting.

10.5. Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong. Strong acid. strong alkalis.

10.6. Hazardous decomposition products

Can be released in case of fire: Carbon monoxide Carbon dioxide (CO_2). Fluorhydric acid.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Toxicocinetics, metabolism and distribution

No data available.

Acute toxicity

Based on available data, the classification criteria are not met.
The product has not been tested.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method

64742-48-9	Hydrocarbons, C9-C11, n-alkane, iso-alkane, cyclic compounds, aromatics (< 2 %)					
	oral	LD50 mg/kg	8000	Rat	SDS external	
	dermal	LD50 mg/kg	4000	Rat	SDS external	
	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics					
	oral	LD50 mg/kg	> 15000	Rat	ECHA dossier	OECD 423
	dermal	LD50 mg/kg	> 5000	Rabbit	ECHA dossier	OECD 402
	inhalation (4 h) dust/mist	LC50	>5 mg/l	Rat	SDS external	
246538-78-3	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics					
	oral	LD50 mg/kg	> 15000	Rat	Study report (1977)	OECD Guideline 423
	dermal	LD50 mg/kg	> 5000	Rabbit	Study report (1993)	OECD Guideline 402
34590-94-8	(2-methoxymethylethoxy)propanol					
	oral	LD50 mg/kg	>5000	Rat	ECHA dossier	OECD Guideline 401
	dermal	LD50 mg/kg	>2000	Rabbit	ECHA dossier	OECD Guideline 402

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics (EC No. 918-481-9)
In vitro mutagenicity/genotoxicity: Method: OECD 471 (Ames test).; Results: negative.; Literature information: ECHA dossier; In vivo mutagenicity/genotoxicity: Method: OECD 471 (Ames test).; Results: negative.; Literature information: ECHA dossier; Carcinogenicity: Method: OECD 453.; Species: Mouse.; Exposure time : 2 years; Results: NOAEC >=2200 mg/m3 air; Literature information: ECHA dossier; Developmental toxicity/teratogenicity: Method: OECD 414.; Species: Rat.; Exposure time : 6-15 d. Results: NOAEL >=5220 mg/m3 air; Literature information: ECHA dossier

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics (EC No. 918-167-1):
Reproductive toxicity: Method: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test) Species: Rat; Exposure duration: 8 w. Results: NOAEC = 300 ppm. Literature information: ECHA dossier; Developmental toxicity/teratogenicity: Method: Guidelines for Reproduction Studies for Safety and Evaluation of Drugs for Human Use, Segment II (Teratology Study); Species: Rat; Results: NOAEC >= 300 ppm. Literature information: ECHA dossier

(2-methoxymethylethoxy)propanol:
OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) = negative.
Literature information: ECHA dossier

STOT-single exposure

May cause drowsiness or dizziness. (Hydrocarbons, C9-C11, n-alkane, iso-alkane, cyclic compounds, aromatics (< 2 %))

STOT-repeated exposure

Repeated exposure may cause skin dryness or cracking.
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics (EC No. 918-481-9)

Repeated dose toxicity (subacute, subchronic, chronic): Subchronic oral toxicity: Method: OECD 408: Species: Rat; Exposure time: 90 d. Results: NOAEL >=5000 mg/Kg bw/d; Literature information: ECHA dossier

(2-methoxymethylethoxy)propanol:
Subacute oral toxicity NOAEL = 1000 mg/kg (Rat.)
Subchronic dermal toxicity NOEL = 2850 mg/kg (Rabbit.)
Subchronic inhalative toxicity NOAEL = 200 ppm (Rat.) ; Literature information: ECHA dossier

Aspiration hazard

May be fatal if swallowed and enters airways.

Specific effects in experiment on an animal

No data available.

11.2. Information on other hazards

Endocrine disrupting properties

No data available.

Further information

Solvent:
Symptoms: Depression of the central nervous system. Liver and kidney damage. drowsiness. vomiting. Nausea. Dizziness. unconsciousness. Impaired consciousness. Intoxication. erythema (redness)

SECTION 12: Ecological information

12.1. Toxicity

The product has not been tested.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] | [d]	Species	Source	Method
64742-48-9	Hydrocarbons, C9-C11, n-alkane, iso-alkane, cyclic compounds, aromatics (< 2 %)					
	Acute fish toxicity	LC50 LL50: >1000 mg/l	96 h	Oncorhynchus mykiss	ECHA dossier	
	Acute algae toxicity	ErC50 ELr50: >1000 mg/l	72 h	Pseudokirchnerella subcapitata	ECHA dossier	
	Acute crustacea toxicity	EC50 EL50: >1000 mg/l	48 h	Daphnia magna	ECHA dossier	
	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics					
	Acute fish toxicity	LC50 >5000 mg/l	96 h	Rat		
	Acute algae toxicity	ErC50 > 1000 mg/l	72 h	Pseudokirchneriella subcapitata	ECHA dossier	OECD 201
	Acute crustacea toxicity	EC50 >5000 mg/l	48 h			
	Fish toxicity	NOEC 0,209 mg/l	28 d	Oncorhynchus mykiss	ECHA dossier	QSAR
	Crustacea toxicity	NOEC > 1 mg/l	21 d	Daphnia magna	ECHA dossier	OECD 211
246538-78-3	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics					
	Acute algae toxicity	ErC50 > 1000 mg/l	72 h	Pseudokirchneriella subcapitata	Study report; company data (1995)	OECD Guideline 201
	Fish toxicity	NOEC 0,217 mg/l	28 d	Oncorhynchus mykiss	CONCAWE, Brussels, Belgium (2010)	The aquatic toxicity was estimated by a
	Crustacea toxicity	NOEC 1 mg/l	21 d	Daphnia magna	Study report; company data (2001)	OECD Guideline 211
34590-94-8	(2-methoxymethylethoxy)propanol					

	Acute fish toxicity	LC50 mg/l	>1000	96 h	Poecilia reticulata	ECHA dossier	OECD Guideline 203
	Acute algae toxicity	ErC50 mg/l	>1000	72 h	Pseudokirchnerella subcapitata (OECD 201)	ECHA dossier	OECD Guideline 201
	Acute crustacea toxicity	EC50 mg/l	1919	48 h	Daphnia magna	ECHA dossier	OECD Guideline 202
	Crustacea toxicity	NOEC mg/l	>= 0.5	22 d	Daphnia magna	ECHA dossier	OECD Guideline 211

12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
64742-48-9	Hydrocarbons, C9-C11, n-alkane, iso-alkane, cyclic compounds, aromatics (< 2 %)			
	OECD 301F/ ISO 9408/ EEC 92/69/V, C.4-D	80%	28	ECHA dossier
	Readily biodegradable (according to OECD criteria).			
34590-94-8	(2-methoxymethylethoxy)propanol			
	OECD 301F / ISO 9408 / EEC 92/69 annex V, C.4-D	>60%	28	ECHA dossier
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics	>4
246538-78-3	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	>4
34590-94-8	(2-methoxymethylethoxy)propanol	0,0043

BCF

CAS No	Chemical name	BCF	Species	Source
	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics	144,3	calculated	
246538-78-3	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	144,3	calculated	Other company data (

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.
The aforementioned statement applies to substances contained in the product with a minimum content of 0.1 %.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.
The aforementioned statement applies to substances contained in the product with a minimum content of 0.1 %.

12.7. Other adverse effects

No data available.

Further information

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Dispose of waste according to applicable legislation. Consult the local waste disposal expert about waste disposal. Non-contaminated packages may be recycled. According to (EWC) European Waste Catalogue, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Control report for waste code/ waste marking according to (EWC) European Waste Catalogue:

List of Wastes Code - residues/unused products

160305 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes containing hazardous substances; hazardous waste

List of Wastes Code - used product

160305 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes containing hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:	UN 1993
14.2. UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C9-C11, n-alkane, iso-alkane, cyclic compounds, aromatics (< 2 %))
14.3. Transport hazard class(es):	3
14.4. Packing group:	III
Hazard label:	3

Classification code:	F1
Special Provisions:	274 601
Limited quantity:	5 L
Excepted quantity:	E1
Transport category:	3
Hazard No:	30
Tunnel restriction code:	D/E

Inland waterways transport (ADN)

14.1. UN number or ID number:	UN 1993
14.2. UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C9-C11, n-alkane, iso-alkane, cyclic compounds, aromatics (< 2 %))
14.3. Transport hazard class(es):	3
14.4. Packing group:	III
Hazard label:	3

Classification code:	F1
Special Provisions:	274 601
Limited quantity:	5 L
Excepted quantity:	E1

Marine transport (IMDG)

14.1. UN number or ID number:	UN 1993
14.2. UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C9-C11, n-alkane, iso-alkane, cyclic compounds, aromatics (< 2 %))
14.3. Transport hazard class(es):	3
14.4. Packing group:	III
Hazard label:	3

Marine pollutant:	NO
Special Provisions:	223, 274, 955
Limited quantity:	5 L
Excepted quantity:	E1
EmS:	F-E, S-E

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:	UN 1993
14.2. UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C9-C11, n-alkane, iso-alkane, cyclic compounds, aromatics (< 2 %))
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

See section 8.

14.7. Maritime transport in bulk according to IMO instruments

not relevant.

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):
Entry 3, Entry 28, Entry 40

2010/75/EU (VOC):	100 %
2004/42/EC (VOC):	No information available.
Information according to 2012/18/EU (SEVESO III):	P5c FLAMMABLE LIQUIDS

Additional information

Safety Data Sheet according to UK-REACH Regulation
The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].
UK REACH Appendix XVII, No (mixture): 3, 40

National regulatory information

Employment restrictions:	Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).
Water hazard class (D):	1 - slightly hazardous to water

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics
(2-methoxymethylethoxy)propanol

SECTION 16: Other information

Changes

Rev. 1,0; Initial release: 15.09.2020
Rev. 2,0; Revision: 09.03.2022

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
CAS: Chemical Abstracts Service
CLP: Classification, Labelling and Packaging of substances and mixtures
DNEL: Derived No Effect Level
d: day(s)
EINECS: European INventory of Existing Commercial chemical Substances
ELINCS: European LIst of Notified Chemical Substances
ECHA: European Chemicals Agency
EWC: European Waste Catalogue
IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
h: hour
LOAEL: Lowest observed adverse effect level
LOAEC: Lowest observed adverse effect concentration
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
NOAEL: No observed adverse effect level
NOAEC: No observed adverse effect concentration
NLP: No-Longer Polymers
N/A: not applicable

OECD: Organisation for Economic Co-operation and Development
PNEC: predicted no effect concentration
PBT: Persistent bioaccumulative toxic
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
REACH: Registration, Evaluation, Authorisation of Chemicals
SVHC: substance of very high concern
TRGS: Technische Regeln für Gefahrstoffe
UN: United Nations
VOC: Volatile Organic Compounds

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Flam. Liq. 3; H226	On basis of test data
Asp. Tox. 1; H304	Calculation method
STOT SE 3; H336	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.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

Further Information

Classification according to GHS [UK CLP] - Classification procedure:
Health hazards: Calculation method.
Environmental hazards: Calculation method.
Physical hazards: On basis of test data and / or calculated and / or estimated.

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.)