

Hraniclean 01

Issue date: 6/1/2015

 according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
 Revision date: 5/27/2024 Supersedes version of: 12/29/2023

Version: 6.0

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

1.1. Product identifier

Product form : Mixture
 Product name : Hraniclean 01
 UFI : 5QU2-N0HF-Q00M-4KGS

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

1.2.1. Relevant identified uses

Intended for general public
 Main use category : Professional use, Consumer use
 Use of the substance/mixture : The cleaner of panels and edges in the furniture industry.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Distributor

Hranipex Czech Republic k.s.
 J. Rýznerové 97, Komorovice
 CZ 396 01 Humpolec
 Czech Republic
 T +420 565 501 211
cz-hranipex@hranipex.com, www.hranipex.cz

E-mail address of competent person responsible for the SDS :
sds@regartis.com

Supplier

Hranipex Ltd.
 Unit 2 Radial Park, Birmingham Business Park
 Birmingham, B37 7YN
 United Kingdom
 T +44 121 767 9180, F 0121 782 6250
uk-hranipex@hranipex.com, www.hranipex.co.uk

1.4. Emergency telephone number

Country/Area	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Cardiff Centre) University Hospital Llandough	Penlan Road CF64 2XX	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Edinburgh Centre) Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA	0344 892 0111	Only for healthcare professionals
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER	+44 20 7188 7188	
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre	16/17 Framlington Place Newcastle-upon-Tyne NE2 4AB	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 2

H225

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Specific target organ toxicity – Single exposure, Category 3, H336
 Narcosis
 Aspiration hazard, Category 1 H304
 Hazardous to the aquatic environment – Chronic Hazard, H411
 Category 2

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

Adverse physicochemical, human health and environmental effects

Highly flammable liquid and vapour. May be fatal if swallowed and enters airways. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Signal word (CLP)

: Danger

Contains

: Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

Hazard statements (CLP)

: H225 - Highly flammable liquid and vapour.
 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 (CLP)

: 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 or doctor.
 P331 - Do NOT induce vomiting.
 P370+P378 - In case of fire: Use dry extinguishing powder, sand, carbon dioxide (CO₂) to extinguish.
 P391 - Collect spillage.
 P403+P235 - Store in a well-ventilated place. Keep cool.
 P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

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3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	EC-No.: 920-750-0 REACH-no: 01-2119473851-33	30 – 80	Flam. Liq. 2, H225 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066
Ethanol	CAS-No.: 64-17-5 EC-No.: 200-578-6 EC Index-No.: 603-002-00-5 REACH-no: 01-2119457610-43	10 – 40	Flam. Liq. 2, H225

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: First aider: Pay attention to self-protection!. Never give anything by mouth to an unconscious person. If unconscious, place in the recovery position. IF exposed or concerned: Get medical advice/attention. If possible, show the doctor this safety data sheet. Failing this, show the doctor the packaging or label.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
First-aid measures after skin contact	: Take off immediately all contaminated clothing. Flush with lukewarm water for 15 minutes. Wash skin with plenty of water and soap.
First-aid measures after eye contact	: Rinse eyes with plenty of cool water for at least 10 minutes while pulling eyelides up. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. If vomiting occurs have person lean forward. Immediately call a POISON CENTER/doctor.

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

Symptoms/effects after inhalation	: Cough. Headache. May cause drowsiness or dizziness.
Symptoms/effects after ingestion	: Irritation. Nausea.

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

If you feel unwell, seek medical advice (show the label where possible). Do not induce vomiting. If unconscious, place in the recovery position. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Dry powder. Carbon dioxide. Water spray. Alcohol resistant foam.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Highly flammable liquid and vapour.
Explosion hazard	: May form flammable/explosive vapour-air mixture. Vapours are heavier than air and may spread along floors.
Hazardous decomposition products in case of fire	: Carbon oxides (CO and CO ₂). Toxic fumes may be released. Do not breathe fumes from fires or vapours from decomposition.

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5.3. Advice for firefighters

Precautionary measures fire	: Do not breathe vapour/aerosol. Stop leak if safe to do so.
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.
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6.1.1. For non-emergency personnel

Emergency procedures	: Evacuate unnecessary personnel. Ensure adequate ventilation, especially in confined areas.
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6.1.2. For emergency responders

Protective equipment	: Equip cleanup crew with proper protection. Avoid breathing Vapours.
Emergency procedures	: Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Collect all waste in suitable and labelled containers and dispose according to local legislation. Wash with plenty of water and detergent. Do not use solvents.
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6.4. Reference to other sections

See Sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed	: Handle empty containers with care because residual vapours are flammable.
Precautions for safe handling	: Keep out of reach of children. Use personal protective equipment as required. Provide good ventilation in process area to prevent formation of vapour. No open flames. No smoking. Use only non-sparking tools. Ground/bond container and receiving equipment. Avoid breathing mist, vapours, spray. Use only outdoors or in a well-ventilated area.
Hygiene measures	: Take off immediately all contaminated clothing and wash it before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use spark-/explosionproof appliances and lighting system.
Storage conditions	: Store in a dry, cool and well-ventilated place. Keep in fireproof place. Protect from heat and direct sunlight. Keep container tightly closed. Keep only in the original container.
Incompatible products	: Strong acids, strong bases and strong oxidants.
Storage temperature	: 10 – 25 °C
Information on mixed storage	: Storage class: 3

7.3. Specific end use(s)

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Ethanol (64-17-5)

United Kingdom - Occupational Exposure Limits

Local name	Ethanol
WEL TWA (OEL TWA)	1920 mg/m ³
	1000 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

8.1.2. Recommended monitoring procedures

Monitoring methods

Monitoring methods	Workplace exposure - General requirements for the performance of procedures for the measurement of chemical agents.
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8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

DNEL/DMEL (Workers)

Long-term - systemic effects, dermal	773 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2035 mg/m ³

DNEL/DMEL (General population)

Long-term - systemic effects, oral	699 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	608 mg/m ³
Long-term - systemic effects, dermal	699 mg/kg bodyweight/day

Ethanol (64-17-5)

DNEL/DMEL (Workers)

Acute - local effects, inhalation	1900 mg/m ³
Long-term - systemic effects, dermal	343 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	950 mg/m ³

DNEL/DMEL (General population)

Acute - local effects, inhalation	950 mg/m ³
Long-term - systemic effects, oral	87 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	114 mg/m ³
Long-term - systemic effects, dermal	206 mg/kg bodyweight/day

PNEC (Water)

PNEC aqua (freshwater)	0.96 mg/l
PNEC aqua (marine water)	0.79 mg/l
PNEC aqua (intermittent, freshwater)	2.75 mg/l

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Ethanol (64-17-5)

PNEC (Sediment)

PNEC sediment (freshwater)	3.6 mg/kg dwt
PNEC sediment (marine water)	2.9 mg/kg dwt

PNEC (Soil)

PNEC soil	0.63 mg/kg dwt
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PNEC (Oral)

PNEC oral (secondary poisoning)	720 mg/kg food
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PNEC (STP)

PNEC sewage treatment plant	580 mg/l
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8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Provide adequate general and local exhaust ventilation. Do not exceed the occupational exposure limits (OEL).

8.2.2. Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure.

8.2.2.1. Eye and face protection

Eye protection:

No special eye protection equipment recommended under normal conditions of use. Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable working clothes. Safety footwear

Hand protection:

Chemical resistant gloves (according to European standard ISO 374-1 or equivalent)

8.2.2.3. Respiratory protection

Respiratory protection:

In case of inadequate ventilation wear respiratory protection. Half mask with filter against organic vapors. Self-contained breathing apparatus if exposure limits are exceeded or in poorly ventilated areas.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment. Dispose of rinse water in accordance with local and national regulations.

Other information:

Always wash hands after handling the product. Do not eat, drink or smoke during use. Remove all contaminated clothing and footwear.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Odour	: Solvent odour.

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Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Highly flammable liquid and vapour.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: 8 °C
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Insoluble in water
Viscosity, kinematic	: Not available
Solubility	: Miscible with fats.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: 0.75 g/cm ³ @ 20 °C (± 1,5 %)
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

VOC content	: 0.99 kg/kg
Other properties	: Total organic carbon (TOC): 0,70 kg/kg

SECTION 10: Stability and reactivity

10.1. Reactivity

Highly flammable liquid and vapour.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

None under recommended storage and handling conditions (see section 7).

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame.

10.5. Incompatible materials

Strong acids, strong bases and oxidation agents.

10.6. Hazardous decomposition products

No hazardous decomposition products known at room temperature.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)

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Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

LD50 oral rat	> 5820 mg/kg OECD 401
LD50 dermal rabbit	> 2920 mg/kg OECD 202
LC50 Inhalation - Rat	> 23.3 mg/l OECD 403

Ethanol (64-17-5)

LD50 oral rat	14740 mg/kg
LD50 dermal rabbit	> 15800 mg/kg
LC50 Inhalation - Rat	124.7 mg/l

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: Insoluble in water
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: Insoluble in water
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: May cause drowsiness or dizziness.

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

STOT-single exposure	May cause drowsiness or dizziness.
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STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: May be fatal if swallowed and enters airways.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties	: The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %
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11.2.2. Other information

Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met
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SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term (chronic)	: Toxic to aquatic life with long lasting effects.

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

LC50 - Fish [1]	> 13.4 mg/l (Oncorhynchus mykiss)
EC50 - Crustacea [1]	3 mg/l
EC50 72h - Algae [1]	10 – 30 mg/l (Selenastrum capricornutum)
LOEC (chronic)	0.32 mg/l
NOEC chronic crustacea	0.17 mg/l
NOELR algae	10 mg/l (Pseudokirchneriella subcapitata)

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Ethanol (64-17-5)	
LC50 - Fish [1]	14.2 g/l
EC50 - Crustacea [1]	5012 mg/l
EC50 72h - Algae [1]	275 mg/l

12.2. Persistence and degradability

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Persistence and degradability	Biodegradable.
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Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

Persistence and degradability	Rapidly degradable
Biodegradation	98 % 28d

Ethanol (64-17-5)

Persistence and degradability	Rapidly degradable
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12.3. Bioaccumulative potential

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Bioaccumulative potential	No information available.
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Ethanol (64-17-5)

Partition coefficient n-octanol/water (Log Pow)	-0.35
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12.4. Mobility in soil

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Ecology - soil	No information available.
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12.5. Results of PBT and vPvB assessment

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This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

12.7. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation : Disposal must be done according to official regulations.
 Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
 Sewage disposal recommendations : Do not dispose of waste into sewer.

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Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Additional information	: Handle empty containers with care because residual vapours are flammable.
Ecological information	: Avoid release to the environment. Hazardous waste due to toxicity.
European List of Waste (LoW, EC 2000/532)	: 07 01 04* - other organic solvents, washing liquids and mother liquors 15 01 10* - packaging containing residues of or contaminated by dangerous substances
HP Code	: HP3 - "Flammable:" – flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C; – flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air; – flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction; – flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa; – water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities; – other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste. HP5 - "Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:" waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration. HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 3295	UN 3295	UN 3295	UN 3295	UN 3295
14.2. UN proper shipping name				
HYDROCARBONS, LIQUID, N.O.S.	HYDROCARBONS, LIQUID, N.O.S.	Hydrocarbons, liquid, n.o.s.	HYDROCARBONS, LIQUID, N.O.S.	HYDROCARBONS, LIQUID, N.O.S.
Transport document description				
UN 3295 HYDROCARBONS, LIQUID, N.O.S. (Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics), 3, II, (D/E), ENVIRONMENTALLY HAZARDOUS	UN 3295 HYDROCARBONS, LIQUID, N.O.S. (Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics), 3, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 3295 Hydrocarbons, liquid, n.o.s. (Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics), 3, II, ENVIRONMENTALLY HAZARDOUS	UN 3295 HYDROCARBONS, LIQUID, N.O.S. (Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics), 3, II, ENVIRONMENTALLY HAZARDOUS	UN 3295 HYDROCARBONS, LIQUID, N.O.S. (Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics), 3, II, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)				
3	3	3	3	3
14.4. Packing group				
II	II	II	II	II

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ADR	IMDG	IATA	ADN	RID
14.5. Environmental hazards				
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available				

14.6. Special precautions for user

Overland transport

- Classification code (ADR) : F1
- Special provisions (ADR) : 640D
- Limited quantities (ADR) : 1I
- Excepted quantities (ADR) : E2
- Packing instructions (ADR) : P001, IBC02, R001
- Mixed packing provisions (ADR) : MP19
- Portable tank and bulk container instructions (ADR) : T7
- Portable tank and bulk container special provisions (ADR) : TP1, TP8, TP28
- Tank code (ADR) : LGBF
- Vehicle for tank carriage : FL
- Transport category (ADR) : 2
- Special provisions for carriage - Operation (ADR) : S2, S20
- Hazard identification number (Kemler No.) : 33
- Orange plates : 
- Tunnel restriction code (ADR) : D/E
- EAC code : 3YE

Transport by sea

- Limited quantities (IMDG) : 1 L
- Excepted quantities (IMDG) : E2
- Packing instructions (IMDG) : P001
- IBC packing instructions (IMDG) : IBC02
- Tank instructions (IMDG) : T7
- Tank special provisions (IMDG) : TP1, TP8, TP28
- EmS-No. (Fire) : F-E
- EmS-No. (Spillage) : S-D
- Stowage category (IMDG) : B
- Properties and observations (IMDG) : Immiscible with water.

Air transport

- PCA Excepted quantities (IATA) : E2
- PCA Limited quantities (IATA) : Y341
- PCA limited quantity max net quantity (IATA) : 1L
- PCA packing instructions (IATA) : 353
- PCA max net quantity (IATA) : 5L
- CAO packing instructions (IATA) : 364
- CAO max net quantity (IATA) : 60L
- Special provisions (IATA) : A3, A324
- ERG code (IATA) : 3H

Inland waterway transport

- Classification code (ADN) : F1
- Special provisions (ADN) : 640D
- Limited quantities (ADN) : 1 L
- Excepted quantities (ADN) : E2
- Carriage permitted (ADN) : T
- Equipment required (ADN) : PP, EX, A

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Ventilation (ADN) : VE01
 Number of blue cones/lights (ADN) : 1

Rail transport

Classification code (RID) : F1
 Special provisions (RID) : 640D
 Limited quantities (RID) : 1L
 Excepted quantities (RID) : E2
 Packing instructions (RID) : P001, IBC02, R001
 Mixed packing provisions (RID) : MP19
 Portable tank and bulk container instructions (RID) : T7
 Portable tank and bulk container special provisions (RID) : TP1, TP8, TP28
 Tank codes for RID tanks (RID) : LGBF
 Transport category (RID) : 2
 Colis express (express parcels) (RID) : CE7
 Hazard identification number (RID) : 33

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)

Reference code	Applicable on
3(a)	Hraniclean 01 ; Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics ; Ethanol
3(b)	Hraniclean 01 ; Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics
3(c)	Hraniclean 01 ; Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics
40.	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics ; Ethanol

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

VOC Directive (2004/42)

VOC content : 0.99 kg/kg

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

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Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP)

United Kingdom

British National Regulations

: Directive 2008/98/EC of the European Parliament and of the Council on waste and repealing certain Directives, in the valid wording.
Regulation (EC) No 1013/2006 of the European Parliament and of the Council on shipments of waste, in the valid wording.
UK Waste Regulations.
UK REACH.
GB CLP.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes

Section	Changed item	Change	Comments
	Supersedes	Modified	
	Revision date	Modified	
2.2	EUH-statements	Removed	
3	Composition/information on ingredients	Modified	
4.1	First-aid measures general	Modified	
5.3	Protection during firefighting	Modified	
6.3	Other information	Removed	
7.1	Precautions for safe handling	Modified	
8.2	Environmental exposure controls	Modified	
8.2	Other information	Modified	
8.2	Appropriate engineering controls	Modified	
8.2	Respiratory protection	Modified	
9.1	Upper explosive limit (UEL)	Removed	
9.1	Lower explosive limit (LEL)	Removed	
9.1	Viscosity, kinematic	Removed	
9.1	Density	Modified	
9.1	It does not have oxidising properties	Removed	
9.1	Vapour pressure	Removed	
9.1	Viscosity, dynamic	Removed	
9.1	Freezing point	Removed	
9.1	Solubility	Modified	
9.1	Flash point	Modified	

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Indication of changes

Section	Changed item	Change	Comments
9.1	Boiling point	Removed	
9.1	Auto-ignition temperature	Removed	
9.1	Explosive limits (vol %)	Removed	
9.2	Other properties	Added	
9.2	VOC content	Added	
10.1	Reactivity	Modified	
12.2	Persistence and degradability	Added	
15.1	VOC content	Added	

Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative

Data sources : ECHA Guidance on the compilation of safety data sheets
 ECHA C&L Inventory database. Supplier's safety documents.

Training advice : Provide SDS to employees. Follow general rules on handling chemical substances and/or mixtures.

Full text of H- and EUH-statements:

Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
EUH066	Repeated exposure may cause skin dryness or cracking.
Flam. Liq. 2	Flammable liquids, Category 2
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis

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Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Flam. Liq. 2	H225	Expert judgement
STOT SE 3	H336	Calculation method
Asp. Tox. 1	H304	Expert judgement
Aquatic Chronic 2	H411	Calculation method

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.