

Hranicon 30

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue date: 18/01/2019

Revision date: 30/11/2022

Supersedes version of: 12/02/2019

Version: 2.1

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

1.1. Product identifier

Product form : Mixture
 Product name : Hranicon 30
 UFI : R803-G03G-X00U-6PD6

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

1.2.1. Relevant identified uses

Main use category : For professional users only
 Use of the substance/mixture : Solvent-based adhesive

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 565 501 210

hranipex@hranipex.cz - 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 0121 767 9180 - F 0121 782 6250

hranipex@hranipex.co.uk - www.hranipex.co.uk

1.4. Emergency telephone number

Country	Official advisory body	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
 Serious eye damage/eye irritation, Category 2 H319

Hranicon 30

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue date: 18/01/2019

Revision date: 30/11/2022

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

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

Adverse physicochemical, human health and environmental effects

Highly flammable liquid and vapour. May cause drowsiness or dizziness. Causes serious eye irritation. 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

: acetone; propan-2-one; propanone; Ethyl acetate; Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane

Hazard statements (CLP)

: H225 - Highly flammable liquid and vapour.

H319 - Causes serious eye irritation.

H336 - May cause drowsiness or dizziness.

H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P273 - Avoid release to the environment.

P280 - Wear protective gloves, protective clothing, eye protection, face protection.

P370+P378 - In case of fire: Use suitable extinguishing media to extinguish.

P391 - Collect spillage.

EUH-statements

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

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 is 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

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane	EC-No.: 926-605-8 REACH-no: 01-2119486291-36	45 – 50	Flam. Liq. 2, H225 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066

Hranicon 30

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue date: 18/01/2019

Revision date: 30/11/2022

Supersedes version of: 12/02/2019

Version: 2.1

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
acetone; propan-2-one; propanone	CAS-No.: 67-64-1 EC-No.: 200-662-2 EC Index-No.: 606-001-00-8	20 – 25	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066
Ethyl acetate	CAS-No.: 141-78-6 EC-No.: 205-500-4 EC Index-No.: 607-022-00-5 REACH-no: 01-2119475103-46	5 – 8	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066

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	: If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. Call a POISON CENTER/doctor if you feel unwell.
First-aid measures after skin contact	: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Immediately rinse with water for a prolonged period while holding the eyelids wide open. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
First-aid measures after ingestion	: Do NOT induce vomiting. Drink plenty of water. Get medical advice/attention.

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

Symptoms/effects	: May cause drowsiness or dizziness.
Symptoms/effects after skin contact	: Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact	: Eye irritation.

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. Foam. dry chemical powder.
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. The vapours are denser than air and may travel along the ground. Distance ignition possible.
Explosion hazard	: Heating will cause a rise in pressure with a risk of bursting.
Hazardous decomposition products in case of fire	: Carbon monoxide. Carbon dioxide. Other toxic gases. Do not breathe fumes from fires or vapours from decomposition.

5.3. Advice for firefighters

Firefighting instructions	: On heating, there is a risk of bursting due to internal pressure build-up. Cool down the containers exposed to heat with a water spray. Use water spray/fog to disperse vapours below flammable limit. Prevent fire fighting water from entering the environment.
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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue date: 18/01/2019

Revision date: 30/11/2022

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Version: 2.1

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Normal equipment for firefighters i.e. fire kit (EN 469), gloves (EN 659) and boots (HO specification A29 and A30) in combination with breathing apparatus (EN 137).
Other information	: Dispose of rinse water in accordance with local and national regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment	: Wear proper protective equipment.
Emergency procedures	: Keep unprotected persons away. Eliminate every possible source of ignition. No open flames, no sparks, and no smoking. Stop leaks if it can be done without personal risk. Ventilate spillage area. Avoid contact with skin, eyes and clothing. Do not breathe vapours.

6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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6.2. Environmental precautions

Do not allow product to spread into the environment. Do not allow material to contaminate ground water system.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect all waste in suitable and labelled containers and dispose according to local legislation. Ventilate spillage area.
Other information	: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed	: Flammable vapours may accumulate in the container.
Precautions for safe handling	: Use only outdoors or in a well-ventilated area. Handle and open the container with care. Do not use compressed air to transfer, discharge or transport the product. Comply with instructions for use (refer to technical sheet). Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing Vapours. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only non-sparking tools. Ground/bond container and receiving equipment. Take precautionary measures against static discharge. Use explosion-proof equipment.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Take precautionary measures against static discharge.
Storage conditions	: Store tightly closed in a dry, cool and well-ventilated place. Store away from direct sunlight or other heat sources. Store in original container. Store locked up.
Incompatible materials	: Acids. Bases. Oxidising substances. Alkali metals. Aluminium. Fluorine.
Special rules on packaging	: Storage class: 3

7.3. Specific end use(s)

No additional information available

Hranicon 30

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue date: 18/01/2019

Revision date: 30/11/2022

Supersedes version of: 12/02/2019

Version: 2.1

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

acetone; propan-2-one; propanone (67-64-1)

EU - Indicative Occupational Exposure Limit (IOEL)

Local name	Acetone
IOEL TWA	1210 mg/m ³
IOEL TWA [ppm]	500 ppm
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC

United Kingdom - Occupational Exposure Limits

Local name	Acetone
WEL TWA (OEL TWA) [1]	1210 mg/m ³
WEL TWA (OEL TWA) [2]	500 ppm
WEL STEL (OEL STEL)	3620 mg/m ³
WEL STEL (OEL STEL) [ppm]	1500 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

Ethyl acetate (141-78-6)

EU - Indicative Occupational Exposure Limit (IOEL)

Local name	Ethyl acetate
IOEL TWA	734 mg/m ³
IOEL TWA [ppm]	200 ppm
IOEL STEL	1468 mg/m ³
IOEL STEL [ppm]	400 ppm
Regulatory reference	COMMISSION DIRECTIVE (EU) 2017/164

United Kingdom - Occupational Exposure Limits

Local name	Ethyl acetate
WEL TWA (OEL TWA) [1]	734 mg/m ³
WEL TWA (OEL TWA) [2]	200 ppm
WEL STEL (OEL STEL)	1468 mg/m ³
WEL STEL (OEL STEL) [ppm]	400 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane

DNEL/DMEL (Workers)

Long-term - systemic effects, dermal	13964 mg/kg bodyweight/day
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Hranicon 30

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue date: 18/01/2019

Revision date: 30/11/2022

Supersedes version of: 12/02/2019

Version: 2.1

Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane

Long-term - systemic effects, inhalation	5306 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	1301 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1131 mg/m ³
Long-term - systemic effects, dermal	1377 mg/kg bodyweight/day

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. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

8.2.2. Personal protection equipment
Personal protective equipment:

Avoid all unnecessary exposure. Wear proper protective equipment.

8.2.2.1. Eye and face protection
Eye protection:

Sealed safety goggles. EN 166

8.2.2.2. Skin protection
Skin and body protection:

When skin contact is possible, protective clothing including gloves, apron, sleeves, boots, head and face protection must be worn

Hand protection:

Chemical resistant gloves (according to European standard EN 374 or equivalent). Category III. Follow the glove manufacturer's specific recommendations when selecting the appropriate thickness, material, and permeability.

Other skin protection
Materials for protective clothing:

Antistatic clothing

8.2.2.3. Respiratory protection
Respiratory protection:

This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls
Environmental exposure controls:

Do not allow into drains or water courses.

Other information:

Wash protective equipment and clothing before reuse.

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

Physical state	: Liquid
Colour	: Straw. Yellow.
Appearance	: Viscous.

Hranicon 30

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue date: 18/01/2019

Revision date: 30/11/2022

Supersedes version of: 12/02/2019

Version: 2.1

Odour	: Solvent odour.
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: 90 °C
Flammability	: Not applicable
Explosion limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: 19 °C
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: 9.8
Viscosity, kinematic	: 1333.333 mm ² /s
Viscosity, dynamic	: 1200 mPa.s
Solubility	: Soluble in organic solvents.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: 0.9 g/cm ³
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 : 75.7 % Directive 2010/75/EC; 681.30 g/l

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

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

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No hazardous reactions known under normal conditions of use.

10.4. Conditions to avoid

Do not expose to heat. No flames, no sparks. Eliminate all sources of ignition. Avoid static electricity discharges.

10.5. Incompatible materials

Acids. Bases. Oxidising substances. Alkali metals. Aluminium. Fluorine.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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)

Hranicon 30

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue date: 18/01/2019

Revision date: 30/11/2022

Supersedes version of: 12/02/2019

Version: 2.1

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

Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane

LD50 oral rat 16750 mg/kg

LD50 dermal rat > 3350 mg/kg

LC50 Inhalation - Rat [ppm] 73860 ppm/4h

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)
pH: 9.8

Additional information : Repeated exposure may cause skin dryness or cracking.

Serious eye damage/irritation : Causes serious eye irritation.
pH: 9.8

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.

acetone; propan-2-one; propanone (67-64-1)

STOT-single exposure May cause drowsiness or dizziness.

Ethyl acetate (141-78-6)

STOT-single exposure May cause drowsiness or dizziness.

Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane

STOT-single exposure May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

Hranicon 30

Viscosity, kinematic 1333.333 mm²/s

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 is 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 %

11.2.2. Other information

No additional information available

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.

Ethyl acetate (141-78-6)

LC50 - Fish [1] 230 mg/l

EC50 - Crustacea [1] 3090 mg/l

Hranicon 30

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue date: 18/01/2019

Revision date: 30/11/2022

Supersedes version of: 12/02/2019

Version: 2.1

Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane

LC50 - Fish [1]	12 mg/l OECD TG 203
EC50 - Crustacea [1]	17.06 mg/l Daphnia Magna
NOEC chronic fish	2.187 mg/l Oncorhynchus mykiss
NOEC chronic crustacea	3.818 mg/l Daphnia Magna
NOEC chronic algae	1.628 Pseudokirchnerella subcapitata

12.2. Persistence and degradability

Hranicon 30

Persistence and degradability	No additional information available.
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acetone; propan-2-one; propanone (67-64-1)

Persistence and degradability	Readily biodegradable.
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Ethyl acetate (141-78-6)

Persistence and degradability	Readily biodegradable.
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Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane

Persistence and degradability	Readily biodegradable.
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12.3. Bioaccumulative potential

Hranicon 30

Bioaccumulative potential	No additional information available.
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acetone; propan-2-one; propanone (67-64-1)

BCF	3
Partition coefficient n-octanol/water (Log Pow)	-0.23

Ethyl acetate (141-78-6)

BCF	30
Partition coefficient n-octanol/water (Log Pow)	0.68

12.4. Mobility in soil

Hranicon 30

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

Hranicon 30

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 is 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 %.

Hranicon 30

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue date: 18/01/2019

Revision date: 30/11/2022

Supersedes version of: 12/02/2019

Version: 2.1

12.7. Other adverse effects

Additional information : Do not discharge into drains or the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : 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. Do not allow into drains or water courses.
 Product/Packaging disposal recommendations : Re-use, when possible. Beware of residues or vapours which remain in the drums. Handle uncleaned empty containers as full ones.
 Additional information : Do not remove as household garbage. To be disposed of as hazardous waste.
 Ecology - waste materials : Avoid release to 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 1133	UN 1133	UN 1133	UN 1133	UN 1133
14.2. UN proper shipping name				
ADHESIVES	ADHESIVES	Adhesives	ADHESIVES	ADHESIVES
Transport document description (ADR)				
UN 1133 ADHESIVES, 3, II, (D/E), ENVIRONMENTALLY HAZARDOUS	UN 1133 ADHESIVES (Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane), 3, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 1133 Adhesives, 3, II, ENVIRONMENTALLY HAZARDOUS	UN 1133 ADHESIVES, 3, II, ENVIRONMENTALLY HAZARDOUS	UN 1133 ADHESIVES, 3, II, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)				
3	3	3	3	3
				
14.4. Packing group				
II	II	II	II	II
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) : 640C
 Limited quantities (ADR) : 5I
 Excepted quantities (ADR) : E2

Hranicon 30

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

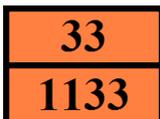
Issue date: 18/01/2019

Revision date: 30/11/2022

Supersedes version of: 12/02/2019

Version: 2.1

Packing instructions (ADR) : P001
 Special packing provisions (ADR) : PP1
 Mixed packing provisions (ADR) : MP19
 Portable tank and bulk container instructions (ADR) : T4
 Portable tank and bulk container special provisions (ADR) : TP1, TP8
 Tank code (ADR) : L1.5BN
 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) : 5 L
 Excepted quantities (IMDG) : E2
 Packing instructions (IMDG) : P001
 Special packing provisions (IMDG) : PP1
 IBC packing instructions (IMDG) : IBC02
 Tank instructions (IMDG) : T4
 Tank special provisions (IMDG) : TP1, TP8
 EmS-No. (Fire) : F-E
 EmS-No. (Spillage) : S-D
 Stowage category (IMDG) : B
 Properties and observations (IMDG) : Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition.

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
 ERG code (IATA) : 3L

Inland waterway transport

Classification code (ADN) : F1
 Special provisions (ADN) : 640C
 Limited quantities (ADN) : 5 L
 Excepted quantities (ADN) : E2
 Equipment required (ADN) : PP, EX, A
 Ventilation (ADN) : VE01
 Number of blue cones/lights (ADN) : 1

Rail transport

Classification code (RID) : F1
 Special provisions (RID) : 640C
 Limited quantities (RID) : 5L
 Excepted quantities (RID) : E2
 Packing instructions (RID) : P001
 Special packing provisions (RID) : PP1
 Mixed packing provisions (RID) : MP19
 Portable tank and bulk container instructions (RID) : T4

Hranicon 30

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue date: 18/01/2019

Revision date: 30/11/2022

Supersedes version of: 12/02/2019

Version: 2.1

Portable tank and bulk container special provisions (RID) : TP1, TP8
 Tank codes for RID tanks (RID) : L1.5BN
 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)	Hranicon 30 ; acetone; propan-2-one; propanone ; Ethyl acetate ; Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane
3(b)	Hranicon 30 ; acetone; propan-2-one; propanone ; Ethyl acetate ; Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane
3(c)	Hranicon 30 ; Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane
40.	acetone; propan-2-one; propanone ; Ethyl acetate ; Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane

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)

VOC Directive (2004/42)

VOC content : 75.7 % Directive 2010/75/EC; 681.30 g/l

Explosives Precursors Regulation (2019/1148)

Contains substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

ANNEX II REPORTABLE EXPLOSIVES PRECURSORS

List of substances on their own or in mixtures or in substances for which suspicious transactions and significant disappearances and thefts are to be reported to the relevant national contact point within 24 hours.

Name	CAS-No.	Combined Nomenclature code (CN)	Combined Nomenclature code for mixture without constituents which would determine classification under another CN code
Acetone	67-64-1	2914 11 00	ex 3824 99 92

Please see https://ec.europa.eu/home-affairs/system/files/2021-11/list_of_competent_authorities_and_national_contact_points_en.pdf

Drug Precursors Regulation (273/2004)

Contains 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)

Hranicon 30

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue date: 18/01/2019

Revision date: 30/11/2022

Supersedes version of: 12/02/2019

Version: 2.1

Name	CN designation	CAS-No.	CN code	Category	Threshold	Annex
Acetone		67-64-1	2914 11 00	Category 3		Annex I

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	Added	
	Revision date	Modified	
2.2	Precautionary statements (CLP)	Modified	
3	Composition/information on ingredients	Modified	
8.2	Hand protection	Modified	
9.1	Density	Added	
9.1	Solubility	Modified	
9.2	VOC content	Modified	
12.6	Adverse effects on the environment caused by endocrine disrupting properties	Added	
15.1	REACH Annex XVII	Added	
15.1	British National Regulations	Added	
15.1	VOC content	Modified	
16	Data sources	Modified	

Abbreviations and acronyms:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail

Hranicon 30

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

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Abbreviations and acronyms:

REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
SDS	Safety Data Sheet
DNEL	Derived-No Effect Level
PNEC	Predicted No-Effect Concentration
LC50	Median lethal concentration
LD50	Median lethal dose
EC50	Median effective concentration
BCF	Bioconcentration factor
NOEC	No-Observed Effect Concentration
PBT	Persistent Bioaccumulative Toxic
vPvB	Very Persistent and Very Bioaccumulative
STP	Sewage treatment plant

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. Normal use of this product shall imply use in accordance with the instructions on the packaging.

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.
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H319	Causes serious eye irritation.
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

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

Flam. Liq. 2	H225	On basis of test data
Eye Irrit. 2	H319	Calculation method
STOT SE 3	H336	Calculation method
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.