

Hraniclean 103

Issue date: 2/4/2018

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Revision date: 9/4/2024

Supersedes version of: 3/30/2022

Version: 2.1

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

1.1. Product identifier

Product form : Mixture
Product name : Hraniclean 103
UFI : H7T2-10SQ-H006-WSKP

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

Relevant identified uses

Main use category : For professional users only
Use of the substance/mixture : Antistatic and cooling liquid in the furniture industry.

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 GmbH
Südstraße 15, Haus 7 / 7b
DE 99867 Gotha
Deutschland
T +49 3621 / 51 433 0, F 03621 / 51 433 29

de-hranipex@hranipex.com, <http://www.hranipex.de>

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 3

H226

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

Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour.

Hraniclean 103

Issue date: 2/4/2018

 according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
 Revision date: 9/4/2024 Supersedes version of: 3/30/2022

Version: 2.1

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS02

Signal word (CLP) :

Warning

Hazard statements (CLP) :

H226 - Flammable liquid and vapour.

Precautionary statements (CLP) :

P261 - Avoid breathing vapours.

P271 - Use only outdoors or in a well-ventilated area.

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

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethanol	CAS-No.: 64-17-5 EC-No.: 200-578-6 EC Index-No.: 603-002-00-5 REACH-no: 01-2119457610-43	< 40	Flam. Liq. 2, H225

Comments :

<5% nonionic surfactant

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). In case of loss of consciousness, place the victim in the recovery position.

First-aid measures after inhalation :

Remove person to fresh air and keep comfortable for breathing. Allow the victim to rest. Call a doctor if you feel unwell.

First-aid measures after skin contact :

Take off immediately all contaminated clothing. Wash skin with plenty of water and soap. If symptoms persist, call a physician.

First-aid measures after eye contact :

Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophthalmologist if irritation persists.

First-aid measures after ingestion :

Rinse mouth out with water. Do NOT induce vomiting. Call a physician immediately.

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

No additional information available

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

Treat symptomatically.

Hraniclean 103

Issue date: 2/4/2018

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Revision date: 9/4/2024

Supersedes version of: 3/30/2022

Version: 2.1

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Water fog, dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂).
Unsuitable extinguishing media : Strong water jet.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Flammable liquid and vapour.
Explosion hazard : Vapours are heavier than air and may spread along floors. Vapours may form explosive mixture with air.
Hazardous decomposition products in case of fire : Carbon monoxide. Carbon dioxide. Other toxic gases. High temperature decomposition products are harmful by inhalation.

5.3. Advice for firefighters

- Precautionary measures fire : Keep container tightly closed and away from heat, sparks and flame.
Firefighting instructions : Cool down the containers exposed to heat with a water spray.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. Chemical resistant safety shoes.
Other information : Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- Protective equipment : Wear proper protective equipment.
Emergency procedures : Prevent unauthorised access. Ventilate spillage area. No flames, no sparks. Eliminate all sources of ignition.

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".

6.2. Environmental precautions

Do not allow the mixture to enter into sewer, water system (underground water, surface water) or soil.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Take up liquid spill into a non combustible material e.g.: sand, earth, vermiculite or kieselguhr. Collect all waste in suitable and labelled containers and dispose according to local legislation. Non-sparking tools should be used. Notify authorities if product enters sewers or public waters.

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

- Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Hraniclean 103

Issue date: 2/4/2018

 according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
 Revision date: 9/4/2024

Supersedes version of: 3/30/2022

Version: 2.1

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Ground/bond container and receiving equipment.
Storage conditions	: Store in a well-ventilated place. Keep cool. Keep container tightly closed. Keep away from ignition sources. Keep away from heat and direct sunlight.
Incompatible materials	: Strong acids, strong bases and oxidation agents.
Information on mixed storage	: Storage class: 3

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station. Ventilation, local exhaust, or breathing protection.

Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure. Wear recommended personal protective equipment.

Eye and face protection

Eye protection:

Not required for normal conditions of use

Skin protection

Skin and body protection:

Wear suitable working clothes

Hand protection:

In case of repeated or prolonged contact wear gloves. Chemical resistant gloves (according to European standard ISO 374-1 or equivalent)

Respiratory protection

Respiratory protection:

Half mask with filter against organic vapors. Self-contained breathing apparatus if exposure limits are exceeded or in poorly ventilated areas.

Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Other information:

Do not eat, drink or smoke in areas where product is used. Wash hands and other exposed areas with soap and water before leaving work.

Hraniclean 103

Issue date: 2/4/2018

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Revision date: 9/4/2024

Supersedes version of: 3/30/2022

Version: 2.1

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Blue.
Odour	: Solvent odour.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: < -10 °C
Boiling point	: 80 – 100 °C
Flammability	: Not applicable
Explosive properties	: None.
It does not have oxidising properties	: Non oxidizing.
Lower explosion limit	: 3.3 vol %
Upper explosion limit	: 19 vol % Ethanol
Flash point	: 25 °C
Auto-ignition temperature	: 363 °C (CAS 64-17-5)
Decomposition temperature	: Not available
pH	: 7.2
Viscosity, kinematic	: Not available
Solubility	: Miscible with water.
Partition coefficient n-octanol/water (Log Kow)	: -0.35 (CAS 64-17-5)
Vapour pressure	: 59 mbar (CAS 64-17-5)
Vapour pressure at 50°C	: Not available
Density	: 0.93 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

Other safety characteristics

VOC content	: 38 kg/kg
Total organic carbon (TOC)	: 2 kg/kg

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapour.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Direct sunlight. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

Strong acids, strong bases and oxidation agents.

10.6. Hazardous decomposition products

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

Hraniclean 103

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
 Revision date: 9/4/2024 Supersedes version of: 3/30/2022

Issue date: 2/4/2018

Version: 2.1

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)

Ethanol (64-17-5)	
LD50 oral rat	7000 mg/kg
LC50 Inhalation - Rat	124.7 mg/l
LC50 Inhalation - Rat (Dust/Mist)	116.9 mg/l/4h
LC50 Inhalation - Rat (Vapours)	133.8 mg/l/4h

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

Ethanol (64-17-5)	
NOAEL	> 16000 ppm
NOAEL	5200 mg/kg rat

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

Ethanol (64-17-5)	
LOAEC (inhalation, 30 min)	2.6 mg/l central nervous system
LOAEC (inhalation)	9.4 mg/l lungs

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)

11.2. Information on other hazards

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 %

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

Ethanol (64-17-5)	
LC50 - Fish [1]	3.9 g/l
EC50 - Crustacea [1]	> 1000 mg/l
EC50 - Crustacea [2]	9248 mg/l
EC50 72h - Algae [1]	8800 mg/l
NOEC (chronic)	250 – 1000 mg/l

Hraniclean 103

Issue date: 2/4/2018 according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
 Revision date: 9/4/2024 Supersedes version of: 3/30/2022 Version: 2.1

12.2. Persistence and degradability

Hraniclean 103

Persistence and degradability	Not established.
-------------------------------	------------------

12.3. Bioaccumulative potential

Hraniclean 103

Bioaccumulative potential	Not established.
---------------------------	------------------

12.4. Mobility in soil

Hraniclean 103

Ecology - soil	Not established.
----------------	------------------

12.5. Results of PBT and vPvB assessment

Hraniclean 103

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.
Product/Packaging disposal recommendations	: Do not remove as household garbage. Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.
Additional information	: Flammable vapours may accumulate in the container.
Ecological waste information	: Avoid release to the environment.
European List of Waste (LoW, EC 2000/532)	: 07 01 04* - other organic solvents, washing liquids and mother liquors
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.

Hraniclean 103

Issue date: 2/4/2018






according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Revision date: 9/4/2024

Supersedes version of: 3/30/2022

Version: 2.1

SECTION 14: Transport information

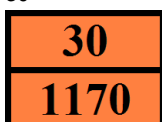
In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 1170	UN 1170	UN 1170	UN 1170	UN 1170
14.2. UN proper shipping name				
ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	Ethanol solution	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
Transport document description				
UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, III, (D/E)	UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, III	UN 1170 Ethanol solution, 3, III	UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, III	UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, III
14.3. Transport hazard class(es)				
3	3	3	3	3
				
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No EmS-No. (Fire): F-E EmS-No. (Spillage): S-D	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information available				

14.6. Special precautions for user

Overland transport

Classification code (ADR)	: F1
Special provisions (ADR)	: 144, 601
Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T2
Portable tank and bulk container special provisions (ADR)	: TP1
Tank code (ADR)	: LGBF
Vehicle for tank carriage	: FL
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Operation (ADR)	: S2
Hazard identification number (Kemler No.)	: 30
Orange plates	:



Hraniclean 103

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
 Revision date: 9/4/2024 Supersedes version of: 3/30/2022

Issue date: 2/4/2018

Version: 2.1

Tunnel restriction code (ADR) : D/E
 EAC code : •2YE

Transport by sea

Special provisions (IMDG) : 144, 223
 Limited quantities (IMDG) : 5 L
 Excepted quantities (IMDG) : E1
 Packing instructions (IMDG) : P001, LP01
 IBC packing instructions (IMDG) : IBC03
 Tank instructions (IMDG) : T2
 Tank special provisions (IMDG) : TP1
 Stowage category (IMDG) : A
 Properties and observations (IMDG) : Colourless, volatile liquids. Pure ETHANOL: flashpoint 13°C c.c. Explosive limits: 3.3% to 19%. Miscible with water.

Air transport

PCA Excepted quantities (IATA) : E1
 PCA Limited quantities (IATA) : Y344
 PCA limited quantity max net quantity (IATA) : 10L
 PCA packing instructions (IATA) : 355
 PCA max net quantity (IATA) : 60L
 CAO packing instructions (IATA) : 366
 CAO max net quantity (IATA) : 220L
 Special provisions (IATA) : A3, A58, A180
 ERG code (IATA) : 3L

Inland waterway transport

Classification code (ADN) : F1
 Special provisions (ADN) : 144, 601
 Limited quantities (ADN) : 5 L
 Excepted quantities (ADN) : E1
 Carriage permitted (ADN) : T
 Equipment required (ADN) : PP, EX, A
 Ventilation (ADN) : VE01
 Number of blue cones/lights (ADN) : 0

Rail transport

Classification code (RID) : F1
 Special provisions (RID) : 144, 601
 Excepted quantities (RID) : E1
 Packing instructions (RID) : P001, IBC03, LP01, R001
 Mixed packing provisions (RID) : MP19
 Portable tank and bulk container instructions (RID) : T2
 Portable tank and bulk container special provisions (RID) : TP1
 Tank codes for RID tanks (RID) : LGBF
 Transport category (RID) : 3
 Special provisions for carriage – Packages (RID) : W12
 Colis express (express parcels) (RID) : CE4
 Hazard identification number (RID) : 30

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

Hraniclean 103

Issue date: 2/4/2018

 according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
 Revision date: 9/4/2024 Supersedes version of: 3/30/2022

Version: 2.1

SECTION 15: Regulatory information

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

EU-Regulations

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)

Reference code	Applicable on
3(a)	Hraniclean 103 ; Ethanol
40.	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 : 38 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)

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)

National regulations

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

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)

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Indication of changes		
Section	Changed item	Comments
	Supersedes	Modified
	Revision date	Modified
6.3	Other information	Removed
7.2	Storage temperature	Removed

Hraniclean 103

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
 Revision date: 9/4/2024 Supersedes version of: 3/30/2022

Issue date: 2/4/2018

Version: 2.1

Indication of changes

Section	Changed item	Comments
8.2	Respiratory protection	Modified
8.2	Hand protection	Modified
9	Flash point	Modified
9	Partition coefficient n-octanol/water (Log Kow)	Added
9	Density	Added
9	VOC content	Modified
9	It does not have oxidising properties	Modified
9	Other properties	Added

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

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:

Flam. Liq. 2	Flammable liquids, Category 2
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.

Hraniclean 103

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Revision date: 9/4/2024 Supersedes version of: 3/30/2022

Issue date: 2/4/2018

Version: 2.1

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

Flam. Liq. 3	H226	On basis of test data
--------------	------	-----------------------

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.