

Hraniclean 05

Issue date: 23/05/2017

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Revision date: 20/02/2025

Supersedes version of: 04/01/2024

Version: 2.0

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

1.1. Product identifier

Product form : Mixture
Product name : Hraniclean 05
UFI : S4S2-F0TJ-H00S-9C0U

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

Relevant identified uses

Main use category : Product for industrial use only
Use of the substance/mixture : Cleaner of joinery tools

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

1.4. Emergency telephone number

Country/Area	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Corrosive to metals, Category 1 H290
Skin corrosion/irritation, Category 1, Sub-Category 1A H314

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

Adverse physicochemical, human health and environmental effects

May be corrosive to metals. Causes severe skin burns and eye damage.

Hraniclean 05

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Version: 2.0

2.2. Label elements

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

Hazard pictograms (CLP)



GHS05

Signal word (CLP)

: Danger

Contains

: sodium hydroxide; caustic soda

Hazard statements (CLP)

: H290 - May be corrosive to metals.

H314 - Causes severe skin burns and eye damage.

Precautionary statements (CLP)

: P260 - Do not breathe dust/fume/gas/mist/vapours/spray.

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

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water .

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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]
sodium hydroxide; caustic soda	CAS-No.: 1310-73-2 EC-No.: 215-185-5 EC Index-No.: 011-002-00-6	< 5	Met. Corr. 1, H290 Skin Corr. 1A, H314

Specific concentration limits:

Name	Product identifier	Specific concentration limits (%)
sodium hydroxide; caustic soda	CAS-No.: 1310-73-2 EC-No.: 215-185-5 EC Index-No.: 011-002-00-6	(0.5 ≤ C < 2) Eye Irrit. 2; H319 (0.5 ≤ C < 2) Skin Irrit. 2; H315 (2 ≤ C < 5) Skin Corr. 1B; H314 (5 ≤ C < 100) Skin Corr. 1A; H314

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

: Remove contaminated clothing. Rinse with plenty of water. Call a physician immediately.

First-aid measures after inhalation

: Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.

First-aid measures after skin contact

: Take off immediately all contaminated clothing. Flush with lukewarm water for 15 minutes. Call a physician immediately.

Hraniclean 05

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Revision date: 20/02/2025

Supersedes version of: 04/01/2024

Version: 2.0

- | | |
|--------------------------------------|--|
| 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. Call a physician immediately. |
| First-aid measures after ingestion | : Rinse mouth. Drink 0,5l of water. Do not induce vomiting. Call a physician immediately. |
| First-aid measures for first aider | : First aid workers will be equipped with suitable personal protective equipment. No action shall be taken without appropriate training or involving any personal risk. |

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

- | | |
|-------------------------------------|---|
| Symptoms/effects after skin contact | : Burns. |
| Symptoms/effects after eye contact | : Serious damage to eyes. |
| Symptoms/effects after ingestion | : Burns of the mouth and digestive tract. |

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

Treat symptomatically. In case of ingestion or contact with eyes, obtain medical attention.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- | | |
|--------------------------------|--|
| Suitable extinguishing media | : Water spray. Dry powder. Foam. Carbon dioxide. Use extinguishing media appropriate for surrounding fire. |
| Unsuitable extinguishing media | : Strong water jet. |

5.2. Special hazards arising from the substance or mixture

- | | |
|--|--|
| Fire hazard | : Not flammable. |
| Hazardous decomposition products in case of fire | : Attacks light metals(Al, Zn) releasing hydrogen gas. On burning: release of carbon monoxide - carbon dioxide. Do not breathe fumes from fires or vapours from decomposition. |

5.3. Advice for firefighters

- | | |
|--------------------------------|--|
| Firefighting instructions | : Cool down the containers exposed to heat with a water spray. |
| Protection during firefighting | : Self-contained breathing apparatus. Do not attempt to take action without suitable protective equipment. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- | | |
|----------------------|--|
| Protective equipment | : Wear recommended personal protective equipment. |
| Emergency procedures | : Avoid any direct contact with the product. Avoid contact with skin and eyes. Keep away from Incompatible products. |

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 | : Cover spill with non combustible material, e.g.: sand, earth, vermiculite. Collect all waste in suitable and labelled containers and dispose according to local legislation. Wash away neutralized product with plenty of water. |
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6.4. Reference to other sections

See section 7: Handling and Storage. Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

Hraniclean 05

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Revision date: 20/02/2025
Supersedes version of: 04/01/2024

Version: 2.0

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling
- Hygiene measures
- : Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid formation of vapours.
- : Wash contaminated clothing before reuse. 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

- Storage conditions
- Incompatible materials
- Storage temperature
- Packaging materials
- : Store in corrosive resistant container with a resistant inner liner. Keep container tightly closed. Keep only in original container. Keep in properly labelled containers. . Store locked up. Store in a well-ventilated place.
- : Store away from oxidation agents. Acids and acidic substances. Light metals and alloys.
- : 5 – 25 °C
- : Stainless steel. high density polyethylene (HDPE). Unsuitable materials. Polyethylene terephthalate (PET). Aluminium. Zinc.

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

sodium hydroxide; caustic soda (1310-73-2)	
Ireland - Occupational Exposure Limits	
Local name	Sodium hydroxide
OEL STEL	2 mg/m³
Remark	Advisory OELV (Advisory Occupational Exposure Limit Values)
Regulatory reference	Chemical Agents Code of Practice 2024

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:
Ensure good ventilation of the work station.

Personal protection equipment

Personal protective equipment:
Wear recommended personal protective equipment.

Eye and face protection

Eye protection:
Use eye protection according to EN 166. Wear tight fitting safety glasses or facial screen

Skin protection

Skin and body protection:
Wear suitable protective clothing. Chemical resistant apron. Chemical resistant safety shoes

Hand protection:
Standard EN 374 - Protective gloves against chemicals.

Type	Material	Permeation
Wear gloves according to EN374 resistant to the solvent(s) in use.	Polyvinylchloride (PVC)	6 (> 480 minutes)

Hraniclean 05

Issue date: 23/05/2017

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Revision date: 20/02/2025

Supersedes version of: 04/01/2024

Version: 2.0

Type	Material	Permeation
Wear gloves according to EN374 resistant to the solvent(s) in use.	Neoprene rubber (HNBR)	6 (> 480 minutes)

Respiratory protection**Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment. During spraying wear suitable respiratory equipment

Environmental exposure controls**Environmental exposure controls:**

Avoid release to the environment.

Other information:

Always wash hands after handling the product. Avoid contact with skin, eyes and clothing. Do not breathe vapour/aerosol. Do not eat, drink or smoke in areas where product is used.

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

Physical state	: Liquid
Colour	: Red.
Appearance	: Clear.
Odour	: Odourless.
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: < 0 °C
Boiling point	: 100 °C
Flammability	: Not applicable
Explosive properties	: Not explosive.
It does not have oxidising properties	: Non oxidizing.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: 14 Undiluted solution
Viscosity, kinematic	: 9.524 mm ² /s
Viscosity, dynamic	: 0.01 Pa·s
Solubility	: Miscible with water. Insoluble in oils/fats.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: 2500 Pa @ 20 °C
Vapour pressure at 50°C	: Not available
Density	: 1.05 g/cm ³ @ 20 °C (± 1.5 %)
Relative density	: Not available
Relative vapour density at 20°C	: 0.8
Particle characteristics	: Not applicable

9.2. Other information**Other safety characteristics**

Specific conductivity	: 16000000 µS/m
VOC content	: 0.095 kg/kg
Total organic carbon (TOC)	: 0,006 kg/kg

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

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

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Issue date: 23/05/2017

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Revision date: 20/02/2025

Supersedes version of: 04/01/2024

Version: 2.0

10.3. Possibility of hazardous reactions

Attacks light metals (Al, Zn) releasing hydrogen gas. Reacts exothermically with (some) acids. With ammonium salts, it releases dangerous, pungent gas.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Light metals (Al, Zn). Strong oxidizing agents. Strong acids.

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

sodium hydroxide; caustic soda (1310-73-2)

LD50 oral	500 mg/kg
LD50 dermal rabbit	1350 mg/kg

Skin corrosion/irritation	: Causes severe skin burns. pH: 14 Undiluted solution
Serious eye damage/irritation	: Assumed to cause serious eye damage pH: 14 Undiluted solution
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	: Not classified (Based on available data, the classification criteria are not met)
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)

Hraniclean 05

Viscosity, kinematic	9.524 mm ² /s
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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 %
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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)	: Not classified (Based on available data, the classification criteria are not met)

Hraniclean 05

Issue date: 23/05/2017

 according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
 Revision date: 20/02/2025

Supersedes version of: 04/01/2024

Version: 2.0

sodium hydroxide; caustic soda (1310-73-2)

LC50 - Fish [1]	160 mg/l 24h Carassius auratus
LC50 - Fish [2]	180 mg/l 24h Cyprinus carpio
EC50 - Crustacea [1]	40.4 mg/l 48h

12.2. Persistence and degradability

Hraniclean 05

Persistence and degradability	Biodegradable.
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12.3. Bioaccumulative potential

Hraniclean 05

Bioaccumulative potential	No data available.
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12.4. Mobility in soil

Hraniclean 05

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

Hraniclean 05

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

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation : Disposal must be done according to official regulations. Dispose in accordance with corresponding regulations. Disposal of defect or damaged product is performed in accordance with instruction from manufacturer or in accordance with local regulation. Disposal may be performed only by the authorized person. For the classification of waste and its removal corresponding to the waste producer.

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 : Can be disposed as a solid waste or burned in a suitable installation according to local legislation.

Ecological waste information : Avoid release to the environment. Do not remove as household garbage.

European List of Waste (LoW, EC 2000/532) : 06 02 04* - sodium and potassium hydroxide

HP Code : HP8 - "Corrosive:" waste which on application can cause skin corrosion.

Hraniclean 05






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Revision date: 20/02/2025
Supersedes version of: 04/01/2024

Version: 2.0

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 1719	UN 1719	UN 1719	UN 1719	UN 1719
14.2. UN proper shipping name				
CAUSTIC ALKALI LIQUID, N.O.S.	CAUSTIC ALKALI LIQUID, N.O.S.	Caustic alkali liquid, n.o.s.	CAUSTIC ALKALI LIQUID, N.O.S.	CAUSTIC ALKALI LIQUID, N.O.S.
Transport document description				
UN 1719 CAUSTIC ALKALI LIQUID, N.O.S. (sodium hydroxide; caustic soda), 8, III, (E)	UN 1719 CAUSTIC ALKALI LIQUID, N.O.S. (sodium hydroxide; caustic soda), 8, III	UN 1719 Caustic alkali liquid, n.o.s. (sodium hydroxide; caustic soda), 8, III	UN 1719 CAUSTIC ALKALI LIQUID, N.O.S. (sodium hydroxide; caustic soda), 8, III	UN 1719 CAUSTIC ALKALI LIQUID, N.O.S. (sodium hydroxide; caustic soda), 8, III
14.3. Transport hazard class(es)				
8	8	8	8	8
				
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-A EmS-No. (Spillage): S-B	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)
Special provisions (ADR)
Limited quantities (ADR)
Excepted quantities (ADR)
Packing instructions (ADR)
Mixed packing provisions (ADR)
Portable tank and bulk container instructions (ADR)
Portable tank and bulk container special provisions (ADR)
Tank code (ADR)
Vehicle for tank carriage
Transport category (ADR)
Special provisions for carriage - Packages (ADR)
Hazard identification number (Kemler No.)
Orange plates

: C5
: 274
: 5I
: E1
: P001, IBC03, R001
: MP19
: T7
: TP1, TP28
: L4BN
: AT
: 3
: V12
: 80
:



Tunnel restriction code (ADR) : E

Hraniclean 05

Issue date: 23/05/2017

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Revision date: 20/02/2025

Supersedes version of: 04/01/2024

Version: 2.0

Transport by sea

Special provisions (IMDG)	: 223, 274
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T7
Tank special provisions (IMDG)	: TP1, TP28
Stowage category (IMDG)	: A
Segregation (IMDG)	: SG22, SG35
Properties and observations (IMDG)	: Corrosive to aluminium, zinc and tin. Reacts violently with acids. Reacts with ammonium salts, evolving ammonia gas. Causes burns to skin, eyes and mucous membranes.

Air transport

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y841
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 852
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 856
CAO max net quantity (IATA)	: 60L
Special provisions (IATA)	: A3, A803
ERG code (IATA)	: 8L

Inland waterway transport

Classification code (ADN)	: C5
Special provisions (ADN)	: 274
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Equipment required (ADN)	: PP, EP
Number of blue cones/lights (ADN)	: 0

Rail transport

Classification code (RID)	: C5
Special provisions (RID)	: 274
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P001, IBC03, R001
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T7
Portable tank and bulk container special provisions (RID)	: TP1, TP28
Tank codes for RID tanks (RID)	: L4BN
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Colis express (express parcels) (RID)	: CE8
Hazard identification number (RID)	: 80

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

Hraniclean 05

Issue date: 23/05/2017

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Revision date: 20/02/2025Supersedes version of: 04/01/2024

Version: 2.0

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	Entry title or description
3(b)	Hraniclean 05	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10

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 (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

VOC Directive (2004/42)

VOC content : 0.095 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 chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes		
Section	Changed item	Comments
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified
4.1	First-aid measures for first aider	Added
4.1	First-aid measures after inhalation	Modified

Hraniclean 05

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Supersedes version of: 04/01/2024

Version: 2.0

Indication of changes

Section	Changed item	Comments
4.1	First-aid measures after skin contact	Modified
5.1	Suitable extinguishing media	Modified
6.1	Emergency procedures	Modified
6.3	For containment	Removed
6.3	Methods for cleaning up	Modified
6.3	Other information	Removed
6.4	Reference to other sections (8, 13)	Modified
7.1	Precautions for safe handling	Modified
7.2	Packaging materials	Modified
8.2	Eye protection	Modified
8.2	Other information	Added
8.2	Appropriate engineering controls	Modified
9	Density	Modified
9	Vapour pressure	Modified
9	pH	Modified
9	Boiling point	Modified
12.1	Ecology - general	Removed
12.2	Persistence and degradability	Modified
12.3	Bioaccumulative potential	Modified

Abbreviations and acronyms:

CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
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
EC50	Median effective concentration
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
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
VOC	Volatile Organic Compounds
vPvB	Very Persistent and Very Bioaccumulative

Hraniclean 05

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Revision date: 20/02/2025

Supersedes version of: 04/01/2024

Version: 2.0

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:	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Met. Corr. 1	H290	Calculation method
Skin Corr. 1A	H314	Expert judgement

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.