

HRANIFIX PREMIUM 500 ml

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

Issue date: 17/05/2016

Revision date: 26/05/2022

Supersedes version of: 03/03/2021

Version: 7.0

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

1.1. Product identifier

Product form : Mixture
 Trade name : HRANIFIX PREMIUM 500 ml
 UFI : V833-608D-P005-CMSF
 Vaporizer : Aerosol

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : For professional use only
 Use of the substance/mixture : Sprayable Contact Adhesive
 Function or use category : Adhesives, binding agents

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

Hranipex Czech Republic k.s.
 J. Rýznerové 97, Komorovice
 CZ- 396 01 Humpolec
 Czech Republic
 T 565 501 210
sds@regartis.com - www.hranipex.cz

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 Birmingham	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Cardiff Centre) University Hospital Llandough	Penlan Road CF64 2XX Llandough	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Edinburgh Centre) Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA Edinburgh	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 London	+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 Newcastle	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	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]

Aerosol, Category 1 H222;H229
 Carcinogenicity, Category 2 H351

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

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP)



GHS02

GHS08

Signal word (CLP)

: Danger

Contains

: Dichloromethane

Hazard statements (CLP)

: H222 - Extremely flammable aerosol.

H229 - Pressurised container: May burst if heated.

H351 - Suspected of causing cancer.

Precautionary statements (CLP)

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

P211 - Do not spray on an open flame or other ignition source.

P251 - Do not pierce or burn, even after use.

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

P308+P313 - IF exposed or concerned: Get medical advice/attention.

P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

2.3. Other hazards

Other hazards which do not result in classification : Vapours are heavier than air and may spread along floors. Vapours may form explosive mixture with air.

PBT: not yet assessed

vPvB: not yet assessed

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]
Dichloromethane	CAS-No.: 75-09-2 EC-No.: 200-838-9 EC Index-No.: 602-004-00-3 REACH-no: 01-2119480404-41	20 – 30	Carc. 2, H351
Propane	CAS-No.: 74-98-6 EC-No.: 200-827-9 EC Index-No.: 601-003-00-5 REACH-no: 01-2119486944-21	5 – 10	Flam. Gas 1A, H220 Press. Gas (Liq.), H280

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Isobutane	CAS-No.: 75-28-5 EC-No.: 200-857-2 EC Index-No.: 601-004-00-0 REACH-no: 01-2119474691-27	5 – 10	Flam. Gas 1A, H220 Press. Gas (Liq.), H280

Product subject to CLP Article 1.1.3.7. The disclosure rules of the components is modified in this case.

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	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). First aider: Pay attention to self-protection!
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	: Wash immediately with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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. Do not administer medicines from the adrenalin-ephedrine group.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray.
Unsuitable extinguishing media	: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Extremely flammable aerosol.
Explosion hazard	: Vapours are heavier than air and may spread along floors. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
Reactivity in case of fire	: Combustion produces irritating gases.
Hazardous decomposition products in case of fire	: Carbon oxides (CO and CO ₂). Hydrogen chloride. Phosgene. Chlorine.

5.3. Advice for firefighters

Precautionary measures fire	: Evacuate area. Stop leak if safe to do so.
Firefighting instructions	: Fight fire remotely due to the risk of explosion. 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 enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Wear personal protective equipment. Where excessive vapour, mist, or dust may result, use approved respiratory protection equipment. No flames, no sparks. Eliminate all sources of ignition.
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6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel. Avoid any direct contact with the product. Do not breathe mist, vapours, spray.

6.1.2. For emergency responders

Protective equipment : For further information refer to section 8: "Exposure controls/personal protection". Use personal protective equipment as required. Avoid contact with skin and eyes. Equip cleanup crew with proper protection. Avoid breathing Aerosol..

Emergency procedures : Ensure adequate ventilation.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. If the product contaminates rivers and lakes or drains, inform respective authorities.

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 spillage. Store away from other materials.

Other information : Provide adequate ventilation. Remove all sources of ignition. Wear suitable protective clothing.

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 : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Provide good ventilation in process area to prevent formation of vapour. Do not spray on an open flame or other ignition source. Avoid breathing spray. Use only outdoors or in a well-ventilated area. Do not expose to temperatures exceeding 50 °C/ 122 °F.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash contaminated clothing 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 : Extremely flammable aerosol. Proper grounding procedures to avoid static electricity should be followed.

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Heat sources, Direct sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Keep in fireproof place.

Incompatible products : Strong acids. Strong bases.

Information on mixed storage : Storage class 2B

Storage area : Store in a well-ventilated place. Store locked up.

Special rules on packaging : Keep only in original container. Store in a closed container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****8.1.1 National occupational exposure and biological limit values**

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Dichloromethane (75-09-2)

EU - Indicative Occupational Exposure Limit (IOEL)

Local name	Methylene chloride; Dichloromethane
IOEL TWA	353 mg/m ³
IOEL TWA [ppm]	100 ppm
IOEL STEL	706 mg/m ³
IOEL STEL [ppm]	200 ppm
Remark	skin
Regulatory reference	COMMISSION DIRECTIVE (EU) 2017/164

EU - Biological Limit Value (BLV)

Local name	Methylene chloride
BLV	1 mg/l Parameter: methylene chloride - Medium: blood 4 % Parameter: COHb - Medium: Blood 0.3 mg/l Parameter: methylene chloride - Medium: urine
Regulatory reference	SCOEL List of recommended health-based BLVs and BGVs

United Kingdom - Occupational Exposure Limits

Local name	Dichloromethane
WEL TWA (OEL TWA) [1]	350 mg/m ³
WEL TWA (OEL TWA) [2]	100 ppm
WEL STEL (OEL STEL)	1060 mg/m ³
WEL STEL (OEL STEL) [ppm]	300 ppm
Remark	BMGV (Biological monitoring guidance values are listed in Table 2), Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

United Kingdom - Biological limit values

Local name	Dichlorometane
BMGV	30 ppm Parameter: carbon monoxide - Medium: end-tidal breath - Sampling time: Post shift
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

Dichloromethane (75-09-2)

DNEL/DMEL (Workers)

Long-term - systemic effects, dermal	12 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	176 mg/m ³

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Supersedes version of: 03/03/2021

Version: 7.0

Dichloromethane (75-09-2)	
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	0.06 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	44 mg/m ³
Long-term - systemic effects, dermal	5.82 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.31 mg/l
PNEC aqua (marine water)	0.031 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0.27 mg/l
PNEC sediment (marine water)	0.027 mg/l
PNEC (Soil)	
PNEC soil	0.33 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	26 mg/l

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Do not breathe vapour/aerosol. Ensure good ventilation of the work station. Keep away from open flames, hot surfaces and sources of ignition. 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:

Gloves. Safety glasses. Protective clothing. Wear respiratory protection.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Use eye protection according to EN 166, designed to protect against spray mists.

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable coveralls to prevent exposure to the skin. EN 13034

Hand protection:

Follow the glove manufacturer's specific recommendations when selecting the appropriate thickness, material, and permeability.

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Chemical resistant gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	≥0.4 mm	x	EN 374
Chemical resistant gloves	Butyl rubber	6 (> 480 minutes)	≥0.7 mm	x	EN 374

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8.2.2.3. Respiratory protection**Respiratory protection:**

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Recommended filter type. AX

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls**Environmental exposure controls:**

Avoid release to the environment. Do not exceed the occupational exposure limits (OEL).

Other information:

If on skin, take off contaminated clothing. Do not eat, drink or smoke during use. Always wash hands after handling the product. Avoid contact with skin and eyes.

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

Physical state	: Liquid
Colour	: clear.
Odour	: Solvent odour.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: -97 °C
Boiling point	: 40 °C
Flammability	: Extremely flammable aerosol.
Explosion limits	: 12 – 19 vol %
Lower explosion limit	: 12 vol %
Upper explosion limit	: 19 vol %
Flash point	: -90 °C (closed cup)
Auto-ignition temperature	: > 556.1 °C
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: Not available
Solubility	: Insoluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Partition coefficient n-octanol/water (Log Pow)	: 1.25
Vapour pressure	: 4.83 bar @ 21.1 °C
Vapour pressure at 50 °C	: Not available
Density	: 1.3 g/l @25°C
Relative density	: Not available
Relative vapour density at 20 °C	: 2.15 (Air=1)
Particle characteristics	: Not applicable

9.2. Other information**9.2.1. Information with regard to physical hazard classes**

Explosion limits	: 12 – 19 vol %
% of flammable ingredients	: 17

9.2.2. Other safety characteristics

No additional information available

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

Extremely flammable aerosol. Pressurised container: May burst if heated. The product is non-reactive under normal conditions of use, storage and transport.

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10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Stable under normal conditions of use.

10.4. Conditions to avoid

Do not expose to temperatures exceeding 50 °C/ 122 °F. Direct sunlight. Heat. Sparks. Open flame. Overheating.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

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

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)

Dichloromethane (75-09-2)

LD50 oral rat	> 2000 mg/kg (OECD 401)
LD50 dermal rat	> 2000 mg/kg (OECD 402)
LC50 Inhalation - Rat	4900 mg/l

Propane (74-98-6)

LC50 Inhalation - Rat [ppm]	2000 ppm
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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 : Suspected of causing cancer.
 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)

Dichloromethane (75-09-2)

NOAEL (oral, rat, 90 days)	6 mg/kg bodyweight/day OECD Guideline 453
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Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

HRANIFIX PREMIUM 500 ml (Aerosol)

Vaporizer	Aerosol
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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 %

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Version: 7.0

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

Dichloromethane (75-09-2)

LC50 - Fish [1]	193 mg/l Pimephales promelas
EC50 - Crustacea [1]	27 – 109 mg/l

12.2. Persistence and degradability

HRANIFIX PREMIUM 500 ml (Aerosol)

Persistence and degradability : Not established.

Propane (74-98-6)

Persistence and degradability : Readily biodegradable.

Isobutane (75-28-5)

Persistence and degradability : Readily biodegradable.

12.3. Bioaccumulative potential

HRANIFIX PREMIUM 500 ml (Aerosol)

Partition coefficient n-octanol/water (Log Pow) : 1.25

Bioaccumulative potential : Not established.

Dichloromethane (75-09-2)

Partition coefficient n-octanol/water (Log Pow) : 1.25 @ 20 °C

Propane (74-98-6)

Partition coefficient n-octanol/water (Log Pow) : 2.36

Bioaccumulative potential : Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.

Isobutane (75-28-5)

Partition coefficient n-octanol/water (Log Pow) : 2.76

Bioaccumulative potential : Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.

12.4. Mobility in soil

Propane (74-98-6)

Ecology - soil : Unlikely

Isobutane (75-28-5)

Ecology - soil : Unlikely

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Version: 7.0

12.5. Results of PBT and vPvB assessment

HRANIFIX PREMIUM 500 ml (Aerosol)

PBT: not yet assessed

vPvB: not yet assessed

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 %

12.7. Other adverse effects

Additional information

: Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)

: Disposal must be done according to official regulations.

Product/Packaging disposal recommendations

: Dispose in a safe manner in accordance with local/national regulations.

Additional information

: Container under pressure. Do not drill or burn even after use.

Ecology - waste materials

: Avoid release to the environment.

European List of Waste (LoW) code

: 14 06 03* - other solvents and solvent mixtures

15 01 04 - metallic packaging

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.

HP7 - "Carcinogenic:" waste which induces cancer or increases its incidence

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 1950	UN 1950	UN 1950	UN 1950	UN 1950
14.2. UN proper shipping name				
AEROSOLS	AEROSOLS	Aerosols, flammable	AEROSOLS	AEROSOLS
Transport document description (ADR)				
UN 1950 AEROSOLS, 2.1, (D)	UN 1950 AEROSOLS 2.1	UN 1950 Aerosols, flammable 2.1	UN 1950 AEROSOLS 2.1	UN 1950 AEROSOLS 2.1

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Supersedes version of: 03/03/2021

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ADR	IMDG	IATA	ADN	RID
14.3. Transport hazard class(es)				
2.1	2.1	2.1	2.1	2.1
				
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	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)	: 5F
Special provisions (ADR)	: 190, 327, 344, 625
Limited quantities (ADR)	: 1I
Excepted quantities (ADR)	: E0
Packing instructions (ADR)	: P207
Special packing provisions (ADR)	: PP87, RR6, L2
Mixed packing provisions (ADR)	: MP9
Transport category (ADR)	: 2
Special provisions for carriage - Packages (ADR)	: V14
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV9, CV12
Special provisions for carriage - Operation (ADR)	: S2
Tunnel restriction code (ADR)	: D

Transport by sea

Special provisions (IMDG)	: 63, 190, 277, 327, 344, 381, 959
Packing instructions (IMDG)	: P207, LP200
Special packing provisions (IMDG)	: PP87, L2
EmS-No. (Fire)	: F-D
EmS-No. (Spillage)	: S-U
Stowage category (IMDG)	: None
Stowage and handling (IMDG)	: SW1, SW22
Segregation (IMDG)	: SG69

Air transport

PCA Excepted quantities (IATA)	: E0
PCA Limited quantities (IATA)	: Y203
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 203
PCA max net quantity (IATA)	: 75kg
CAO packing instructions (IATA)	: 203
CAO max net quantity (IATA)	: 150kg
Special provisions (IATA)	: A145, A167, A802
ERG code (IATA)	: 10L

Inland waterway transport

Classification code (ADN)	: 5F
Special provisions (ADN)	: 190, 327, 344, 625

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Version: 7.0

Limited quantities (ADN)	: 1 L
Excepted quantities (ADN)	: E0
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01, VE04
Number of blue cones/lights (ADN)	: 1

Rail transport

Classification code (RID)	: 5F
Special provisions (RID)	: 190, 327, 344, 625
Limited quantities (RID)	: 1L
Excepted quantities (RID)	: E0
Packing instructions (RID)	: P207, LP200
Special packing provisions (RID)	: PP87, RR6, L2
Mixed packing provisions (RID)	: MP9
Transport category (RID)	: 2
Special provisions for carriage – Packages (RID)	: W14
Special provisions for carriage - Loading, unloading and handling (RID)	: CW9, CW12
Colis express (express parcels) (RID)	: CE2
Hazard identification number (RID)	: 23

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

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)

EU restriction list (REACH Annex XVII)

Reference code	Applicable on
3(a)	HRANIFIX PREMIUM 500 ml (Aerosol)
3(b)	HRANIFIX PREMIUM 500 ml (Aerosol) ; Dichloromethane
40.	Propane ; Isobutane
59.	Dichloromethane

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

HRANIFIX PREMIUM 500 ml

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

Issue date: 17/05/2016

Revision date: 26/05/2022

Supersedes version of: 03/03/2021

Version: 7.0

15.1.2. National regulations

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
	Adverse health effects caused by endocrine disrupting properties	Added	
	Supersedes	Modified	
	Revision date	Modified	
	SDS EU format	Added	
1.2	Use of the substance/mixture	Added	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
2.2	Precautionary statements (CLP)	Modified	
2.2	Hazard pictograms (CLP)	Modified	
2.2	Hazard statements (CLP)	Modified	
3	Composition/information on ingredients	Modified	
4.1	First-aid measures after inhalation	Modified	
4.3	Other medical advice or treatment	Modified	
5.2	Reactivity in case of fire	Modified	
5.2	Hazardous decomposition products in case of fire	Modified	
5.3	Firefighting instructions	Modified	
6.1	General measures	Modified	
6.1	Protective equipment	Modified	
6.3	Other information	Modified	
6.3	Methods for cleaning up	Modified	
6.4	Reference to other sections (8, 13)	Modified	
7.1	Precautions for safe handling	Modified	
7.2	Incompatible products	Modified	
8.2	Skin and body protection	Modified	
8.2	Personal protective equipment	Modified	
8.2	Eye protection	Modified	

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Indication of changes			
Section	Changed item	Change	Comments
8.2	Other information	Modified	
8.2	Hand protection	Modified	
8.2	Appropriate engineering controls	Modified	
9.1	Explosive limits (vol %)	Added	
9.1	Vapour pressure	Modified	
9.1	Relative vapour density at 20 °C	Modified	
10.1	Reactivity	Modified	
10.5	Incompatible materials	Modified	
11.1	Reason for no classification	Added	
11.1	Reason for no classification	Added	
11.1	Reason for no classification	Added	
11.1	Reason for no classification	Added	
12.2	Persistence and degradability	Modified	
12.3	Bioaccumulative potential	Modified	
12.6	Adverse effects on the environment caused by endocrine disrupting properties	Added	
13.1	Additional information	Modified	
13.1	Product/Packaging disposal recommendations	Modified	
13.1	HP Code	Modified	
13.1	Regional legislation (waste)	Modified	
15.1	British National Regulations	Added	
16	Data sources	Modified	

Abbreviations and acronyms:	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
	IOELV Indicative occupational exposure limit values
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration

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Abbreviations and acronyms:

NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
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
STP	Sewage treatment plant
	TVL - STEL Limit Value - Short-term exposure limit
	TVL - TWA Threshold limit value - Time weighted average
	Volatile organic compounds (VOC) :
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	: Normal use of this product shall imply use in accordance with the instructions on the packaging. Provide SDS to employees. Follow general rules on handling chemical substances and/or mixtures.

Full text of H- and EUH-statements:

Carc. 2	Carcinogenicity, Category 2
Flam. Gas 1A	Flammable gases, Category 1A
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H351	Suspected of causing cancer.
Press. Gas (Comp.)	Gases under pressure : Compressed gas
Press. Gas (Liq.)	Gases under pressure : Liquefied gas

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

Aerosol 1	H222;H229	On basis of test data
Carc. 2	H351	Calculation method

Safety Data Sheet (SDS), EU

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.