

### Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Reference number: BBN-BFN-002 Issue date: 7/22/2022 Version: 1.0

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

#### **1.1. Product identifier**

Product form Product name Product code Mixture
Freestanding Borophene in Dispersion
BBN-BFN-002

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

#### 1.2.1. Relevant identified uses

Main use category Use of the substance/mixture Professional use
 Laboratory chemicals
 Scientific research and development

#### 1.2.2. Uses advised against

No additional information available

#### **1.3. Details of the supplier of the safety data sheet**

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#### **1.4. Emergency telephone number**

Emergency number

: +90 (216) 483 9000

### 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
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336
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.

### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272	2008 [CLP]
Hazard pictograms (CLP)	GHS02 GHS07
Signal word (CLP)	: Danger
Contains	: acetone; propan-2-one; propanone
Hazard statements (CLP)	: H225 - Highly flammable liquid and vapour.
	H319 - Causes serious eye irritation.
	H336 - May cause drowsiness or dizziness.
Precautionary statements (CLP)	: P210 - Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
	P261 - Avoid breathing vapours, spray, mist, gas.
	P264 - Wash hands, forearms and face thoroughly after handling.

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P280 - Wear protective gloves, protective clothing/eye protection/face protection.
P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position
comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove
contact lenses, if present and easy to do. Continue rinsing.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P370+P378 - In case of fire: Use alcohol resistant foam, carbon dioxide (CO2), dry sand,
dry extinguishing powder for extinction.
P403+P235 - Store in a well-ventilated place. Keep cool.
P501 - Dispose of contents/container to an approved waste disposal plant.

#### 2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH 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	Conc. (% w/w)	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	≤ 100	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Boron	CAS-No.: 7440-42-8 EC-No.: 231-151-2	≤ 100	Not classified

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	: Call a poison center or a doctor if you feel unwell. In all cases of doubt, or when symptoms persist, seek medical attention.	
First-aid measures after inhalation	<ul> <li>Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.</li> </ul>	
First-aid measures after skin contact	: Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation or rash 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. If eye irritation persists: Get medical advice/attention.	
First-aid measures after ingestion	: Never give anything by mouth to an unconscious person. Do not induce vomiting. Call a poison center or a doctor if you feel unwell.	
4.2. Most important symptoms and effects, both acute and delayed		
Symptoms/effects Symptoms/effects after skin contact	<ul> <li>May cause drowsiness or dizziness.</li> <li>Repeated or prolonged contact may cause allergic reactions in very susceptible persons.</li> <li>Repeated or prolonged contact may cause slight irritation to the skin or cracking.</li> </ul>	
Symptoms/effects after eye contact	: Eye irritation.	

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### 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 Unsuitable extinguishing media	<ul> <li>Water spray. Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).</li> <li>Do not use a solid water stream as it may scatter and spread fire.</li> </ul>	
5.2. Special hazards arising from the substance or mixture		
Fire hazard Explosion hazard Hazardous decomposition products in case of fire	<ul> <li>Highly flammable liquid and vapour. Contact with combustible material may cause fire.</li> <li>Risk of explosion if heated under confinement.</li> <li>On heating or during combustion : Toxic fumes may be released. Carbon oxides (CO, CO2).</li> </ul>	
5.3. Advice for firefighters		
Precautionary measures fire	: Keep away from combustible materials. Keep container closed when not in use. Approach from upwind.	
Firefighting instructions	Exercise caution when fighting any chemical fire. Keep upwind. Do not enter fire area without proper protective equipment, including respiratory protection. Eliminate all ignition sources if safe to do so. Contain the extinguishing fluids by bunding.	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.	
Other information	Do not allow run-off from fire fighting to enter drains or water courses. Notify authorities if product enters sewers or public waters. High temperature decomposition products are harmful by inhalation. Inhalation of vapour can cause breathing difficulties.	

SECTION 6: Accidental release measures		
6.1. Personal precautions, protective equipment and emergency procedures		
General measures	: Keep public away from danger area.	
6.1.1. For non-emergency personnel		
Protective equipment Emergency procedures	<ul> <li>For further information refer to section 8: "Exposure controls/personal protection".</li> <li>Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Do not touch or walk on the spilled product. Notify fire brigade and environmental authorities.</li> </ul>	
6.1.2. For emergency responders		
Protective equipment Emergency procedures	<ul> <li>Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".</li> <li>Evacuate unnecessary personnel. Equip cleanup crew with proper protection. Stop leak if safe to do so. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous.</li> </ul>	
6.2. Environmental precautions		

#### Avoid release to the environment.

6.3. Methods and material for containment and cleaning up		
For containment	: Do not touch or walk on the spilled product.	
Methods for cleaning up	: Notify authorities if product enters sewers or public waters. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.	
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.

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SECTION 7: Handling and storage		
7.1. Precautions for safe handling		
Precautions for safe handling	: 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. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.	
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	: Ground/bond container and receiving equipment.	
Storage conditions	: Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up. Keep only in the original container in a cool well ventilated place.	
Incompatible products	: Strong acids. Strong bases. Strong oxidizing agents.	
Incompatible materials	: Extremely high or low temperatures.	
Heat and ignition sources	: Keep away from heat and direct sunlight. Keep away from sources of ignition.	
Information on mixed storage	: Keep away from food, drink and animal feeding stuffs.	
Storage area	: Store, if possible, in a cool, well ventilated place away from incompatible materials.	

### 7.3. Specific end use(s)

See Section 1.2.

### 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 [ppm]	500 ppm
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC

#### 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

No additional information available

#### 8.1.5. Control banding

No additional information available

#### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Gloves. Safety glasses. Protective clothing. Gas mask.

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#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

#### Eye protection:

Avoid contact with eyes. Chemical goggles or safety glasses. EN 166

#### 8.2.2.2. Skin protection

#### Skin and body protection:

According to the conditions of use, protective gloves, apron, boots, head and face protection must be worn. EN 13034. EN 14605

#### Hand protection:

Protective gloves. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. The breakthrough time of the selected gloves must be greater than the intended use period. Gloves must be replaced after each use and whenever signs of wear or perforation appear. EN 374

#### 8.2.2.3. Respiratory protection

#### **Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment. Extra personal protection: A/P2 filter respirator for organic vapour and harmful dust. EN 143. EN 14387

#### 8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Dhysical state	Liquid
Physical state	: Liquid
Colour	: Yellow. light brown.
Appearance	: Clear.
Odour	: Pungent smell, slightly aromatic.
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not applicable
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: Not available
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	Not available
Density	Not available
Relative density	: Not available
Relative vapour density at 20 °C	: Not available
Particle characteristics	: Not applicable

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#### 9.2. Other information

- 9.2.1. Information with regard to physical hazard classes
- No additional information available

9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Highly 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. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

**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) Acute toxicity (dermal) Acute toxicity (inhalation)	<ul> <li>Not classified (Based on available data, the classification criteria are not met)</li> <li>Not classified (Based on available data, the classification criteria are not met)</li> <li>Not classified (Based on available data, the classification criteria are not met)</li> </ul>	
acetone; propan-2-one; propanone (67-64-1)		
LD50 oral rat	5800 mg/kg bodyweight	
LC50 Inhalation - Rat	76 mg/l air	
Boron (7440-42-8)		
LD50 oral rat	> 2000 mg/kg (OECD 423)	
LC50 Inhalation - Rat	5.08 mg/l/4h	
Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitisation	<ul> <li>Not classified (Based on available data, the classification criteria are not met)</li> <li>Causes serious eye irritation.</li> <li>Not classified (Based on available data, the classification criteria are not met)</li> </ul>	
Germ cell mutagenicity Carcinogenicity	<ul> <li>Not classified (Based on available data, the classification criteria are not met)</li> <li>Not classified (Based on available data, the classification criteria are not met)</li> <li>Not classified (Based on available data, the classification criteria are not met)</li> </ul>	
Reproductive toxicity STOT-single exposure	<ul> <li>Not classified (Based on available data, the classification criteria are not met)</li> <li>May cause drowsiness or dizziness.</li> </ul>	
acetone; propan-2-one; propanone (67-64-1)		
STOT-single exposure	May cause drowsiness or dizziness.	
STOT-repeated exposure Aspiration hazard	<ul> <li>Not classified (Based on available data, the classification criteria are not met)</li> <li>Not classified (Based on available data, the classification criteria are not met)</li> </ul>	

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## 11.2. Information on other hazards

#### No additional information available

SECTION 12: Ecological information	
12.1. Toxicity	
Hazardous to the aquatic environment, short-term : (acute)	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met)
acetone; propan-2-one; propanone (67-64-1)	
LOEC (chronic)	> 79 mg/l Daphnia magna
NOEC (chronic)	≥ 79 mg/l Daphnia magna
12.2. Persistence and degradability	
No additional information available	
12.3. Bioaccumulative potential	
No additional information available	
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessment	
No additional information available	
12.6. Endocrine disrupting properties	
No additional information available	
12.7. Other adverse effects	
No additional information available	
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.
Product/Packaging disposal recommendations	: Completely empty the packaging prior to decontamination. Recycle the material as far as possible. Comply with local regulations for disposal.
Additional information	: Flammable vapours may accumulate in the container.
Ecology - waste materials	: Avoid release to the environment.

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HP Code	<ul> <li>HP3 - "Flammable:"</li> <li>– 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 &gt; 55 °C and ≤ 75 °C;</li> <li>– 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;</li> </ul>
	<ul> <li>flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;</li> </ul>
	<ul> <li>– flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;</li> </ul>
	<ul> <li>water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;</li> </ul>
	<ul> <li>other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.</li> </ul>
	LIDE "One sitis Tennet One on Tenisity (CTOT)/A substitue Tenisity" wests which some serves

HP5 - "Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:" waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration.

HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.

## **SECTION 14: Transport information**

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

ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number or ID n	umber		1	
UN 1090	UN 1090	UN 1090	UN 1090	UN 1090
14.2. UN proper shipping	g name			
ACETONE	ACETONE	Acetone	ACETONE	ACETONE
Transport document descri	iption			
UN 1090 ACETONE, 3, II, (D/E)	UN 1090 ACETONE, 3, II (- 20°C c.c.)	UN 1090 Acetone, 3, II	UN 1090 ACETONE, 3, II	UN 1090 ACETONE, 3, I
14.3. Transport hazard c	lass(es)			
3	3	3	3	3
14.4. Packing group	1		I	
II	II	II	II	II
14.5. Environmental haz	ards			
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 informatio	n available		1	l

#### **14.6. Special precautions for user**

Overland transport	
Classification code (ADR)	: F1
Limited quantities (ADR)	: 11
Excepted quantities (ADR)	: E2
Packing instructions (ADR)	: P001, IBC02, R001
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4

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Portable tank and bulk container special provisions (ADR)	: TP1
Tank code (ADR)	: LGBF
Vehicle for tank carriage	: FL
Transport category (ADR)	: 2
	: S2, S20
Special provisions for carriage - Operation (ADR)	: 33
Hazard identification number (Kemler No.)	
Orange plates	33
	1090
Tunnel restriction code (ADR)	: D/E
Transport by sea	
Limited quantities (IMDG)	: 1L
Excepted quantities (IMDG)	: E2
Packing instructions (IMDG)	: P001
IBC packing instructions (IMDG)	: IBC02
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-D
Stowage category (IMDG)	: E
Flash point (IMDG)	: -20°C to -18°C c.c.
Properties and observations (IMDG)	: Colourless, clear liquid, with a characteristic mint-like odour. Flashpoint: -20°C to -18°C
	c.c. Explosive limits: 2.5% to 13% Miscible with water.

#### Air transport

PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y341
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 353
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 364
CAO max net quantity (IATA)	: 60L
ERG code (IATA)	: 3H
Inland waterway transport	
Classification code (ADN)	: F1
Limited quantities (ADN)	: 1 L
	50

Excepted quantities (ADN)	:	E2
Carriage permitted (ADN)	:	Т
Equipment required (ADN)	:	PP, EX, A
Ventilation (ADN)	:	VE01
Number of blue cones/lights (ADN)	:	1

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Rail transport	
Classification code (RID)	: F1
Limited quantities (RID)	: 1L
Excepted quantities (RID)	: E2
Packing instructions (RID)	: P001, IBC02, R001
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T4
Portable tank and bulk container special provisions	: TP1
(RID)	
Tank codes for RID tanks (RID)	: LGBF
Transport category (RID)	: 2
Colis express (express parcels) (RID)	: CE7
Hazard identification number (RID)	: 33

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

### **SECTION 15: Regulatory information**

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

#### 15.1.1. EU-Regulations

#### **REACH Annex XVII (Restriction List)**

Contains no REACH substances with Annex XVII restrictions

#### **REACH Annex XIV (Authorisation List)**

Contains no REACH Annex XIV substances

#### REACH Candidate List (SVHC)

Contains no substance on the REACH candidate list

#### PIC Regulation (Prior Informed Consent)

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.

#### **POP Regulation (Persistent Organic Pollutants)**

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

#### Ozone Regulation (1005/2009)

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.

#### **Explosives Precursors Regulation (2019/1148)**

Contains 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.

#### 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		Nomenclature	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 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.

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

### 15.1.2. National regulations

France

Occupational diseases										
Code Description	Description									
hydrocarbons an alcohols; glycols dimethylformami	Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide									
Germany										
Employment restrictions       : Observe restrictions according Act on the Protection of Working Mothers (MuS Observe restrictions according Act on the Protection of Young People in Employ (JArbSchG).					ploymen					
Water hazard class (WGK) Storage class (LGK, TRGS 510)		<ul> <li>WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1).</li> <li>LGK 3 - Flammable liquids.</li> </ul>								
Joint storage table	EGK 1	LGK 2A	LGK 2B	LGK 3	LGK 4.1A					
	LGK 4.1B	LGK 4.2	LGK 4.3	LGK 5.1A	LGK 5.1B					
	LGK 5.1C	LGK 5.2	LGK 6.1A	LGK 6.1B	LGK 6.1C					
	LGK 6.1D	LGK 6.2	LGK 7	LGK 8A	LGK 8B					
	LGK 10	LGK 11	LGK 12	LGK 13	LGK 10-13					
Joint storage not permitted for	: LGK 1, LGK 2A, LGK 4.1A, LGK 4.1B, LGK 4.2, LGK 4.3, LGK 5.1A, LGK 5.1C, LGK 5.2 LGK 6.1B, LGK 6.2, LGK 7.									
<b>c</b>						<ul> <li>LGK 2B, LGK 3, LGK 6.1A, LGK 6.1C, LGK 8A, LGK 8B, LGK 10, LGK 12, LGK 13.</li> <li>Is not subject of the Hazardous Incident Ordinance (12. BImSchV)</li> </ul>				
Joint storage permitted for	: LGK 2B, L									
Joint storage with restrictions permitted for Joint storage permitted for Hazardous Incident Ordinance (12. BImSchV) Denmark	: LGK 2B, L									

No chemical safety assessment has been carried out

## **SECTION 16: Other information**

Abbreviations and acronyms:		
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	
BLV	Biological limit value	
BOD	Biochemical oxygen demand (BOD)	
COD	Chemical oxygen demand (COD)	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	

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Abbreviations and acronyms:		
EC-No.	European Community number	
EC50	Median effective concentration	
EN	European Standard	
IARC	International Agency for Research on Cancer	
ΙΑΤΑ	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OECD	Organisation for Economic Co-operation and Development	
OEL	Occupational Exposure Limit	
РВТ	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
STP	Sewage treatment plant	
ThOD	Theoretical oxygen demand (ThOD)	
TLM	Median Tolerance Limit	
VOC	Volatile Organic Compounds	
CAS-No.	Chemical Abstract Service number	
N.O.S.	Not Otherwise Specified	
vPvB	Very Persistent and Very Bioaccumulative	

Data sources

: Classification according to Regulation (EC) No. 1272/2008 [CLP]. ECHA (European Chemicals Agency). Supplier's safety documents.

Full text of H- and EUH-statements:		
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Flam. Liq. 2	Flammable liquids, Category 2	
H225	Highly flammable liquid and vapour.	
H319	Causes serious eye irritation.	
H336	May cause drowsiness or dizziness.	
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis	

The classification complies with

: ATP 12

Safety Data Sheet (SDS), EU

## Safety Data Sheet

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

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