

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 11/9/2020 Revision date: 1/8/2024 Supersedes version of: 11/5/2023 Version: 2.0

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

## 1.1. Product identifier

Product form	: Mixture
Trade name	: Modesta BC-02 - Hybrid Titanium / Glass Coating
UFI	: RQ7P-J2A9-WA0C-E4QF
Product code	: 00350
Product group	: Trade product

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

#### 1.2.1. Relevant identified uses

Main use category Industrial/Professional use spec Use of the substance/mixture

: Professional use

: For professional use only

: Automotive and aerospace coatings

#### 1.2.2. Uses advised against

No additional information available

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

#### Manufacturer

Modesta Japan Ltd 1580-1 Tahishimomachi JP 761-8075 Takamatsushi, Kagawaken Japan www.modesta.co

Distributor Huntsmiths Autmotive Ltd Unit 8C Boundary Road Brackley GB **NN13 7ES** Northamptonshire T +441280703163 info@huntsmiths.co.uk, www.huntsmiths.co.uk

#### 1.4. Emergency telephone number

No additional information available

# SECTION 2: Hazards identification

2.1. Classification of the substance or mix	ture
Classification according to Regulation (EC) No.	1272/2008 [CLP]
Flammable liquids, Category 2	H225
Carcinogenicity, Category 1B	H350
Full text of H- and EUH-statements: see section 16	i

Adverse physicochemical, human health and environmental effects

Highly flammable liquid and vapour. May cause cancer.

## 2.2. La

2.2. Label elements			
Labelling according to Regulation (EC)	No. 1272/2008 [CLP]		
Hazard pictograms (CLP)			
	GHS02	GHS08	
Signal word (CLP)	: Danger		

Signal v Contains Hazard statements (CLP)

: Tetrafluoroethene : H225 - Highly flammable liquid and vapour. H350 - May cause cancer (oral).

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Precautionary statements (CLP)	: P201 - Obtain special instructions before use.
	P202 - Do not handle until all safety precautions have been read and understood.
	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
	No smoking.
	P233 - Keep container tightly closed.
	P240 - Ground and bond container and receiving equipment.
	P241 - Use explosion-proof electrical/ventilating/lighting equipment.
	P280 - Wear protective gloves, eye protection.
	P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.
	Rinse skin with water or shower.
	P308+P313 - IF exposed or concerned: Get medical advice/attention.
	P370+P378 - In case of fire: Use alcohol resistant foam to extinguish.
	P403+P235 - Store in a well-ventilated place. Keep cool.
	P405 - Store locked up.
	P501 - Dispose of contents and container to hazardous or special waste collection point, in
	accordance with local, regional, national and/or international regulation.
EUH-statements	: EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not
	breathe spray or mist.
Labelling according to: exemption for packa	ages of a capacity of 125ml or less
Hazard pictograms (CLP)	
	GHS02 GHS08
Signal word (CLP)	: Danger
Hazardous ingredients	: Tetrafluoroethene
Hazard statements (CLP)	: H350 - May cause cancer (oral).
Precautionary statements (CLP)	: P201 - Obtain special instructions before use.
	P202 - Do not handle until all safety precautions have been read and understood.
	P280 - Wear protective gloves, eye protection.
	P308+P313 - IF exposed or concerned: Get medical advice/attention.
	P405 - Store locked up.
	P501 - Dispose of contents and container to hazardous or special waste collection point, in
	accordance with local, regional, national and/or international regulation.
EUH-statements	<ul> <li>EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.</li> </ul>
2.3 Other hazards	

2.3. Other hazards

Contains no PBT and/or 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	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Tetrafluoroethylene	CAS-No.: 116-14-3 EC-No.: 204-126-9 EC Index-No.: 602-110-00-X	1 – 5	Flam. Gas 1, H220 Press. Gas (Comp.), H280 Carc. 1B, H350 STOT SE 2, H371

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Titanium dioxide substance with national workplace exposure limit(s) (GB, PL, SK)	CAS-No.: 13463-67-7 EC-No.: 236-675-5 EC Index-No.: 022-006-00-2	1 – 5	Carc. 2, H351

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 First-aid measures after inhalation First-aid measures after skin contact First-aid measures after eye contact First-aid measures after ingestion	<ul> <li>IF exposed or concerned: Get medical advice/attention.</li> <li>Remove person to fresh air and keep comfortable for breathing.</li> <li>Rinse skin with water/shower. Take off immediately all contaminated clothing.</li> <li>Rinse eyes with water as a precaution.</li> <li>Call a poison center or a doctor if you feel unwell.</li> </ul>
4.2. Most important symptoms and effects	s, both acute and delayed
Symptoms/effects after inhalation Symptoms/effects after skin contact Symptoms/effects after eve contact	<ul> <li>Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.</li> <li>None under normal conditions.</li> <li>None under normal conditions.</li> </ul>
Symptoms/effects after ingestion	: None under normal conditions.

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 powder. Foam. Carbon dioxide.</li><li>Do not use a heavy water stream.</li></ul>
5.2. Special hazards arising from the subst	tance or mixture
Fire hazard Explosion hazard Hazardous decomposition products in case of fire	<ul> <li>Highly flammable liquid and vapour.</li> <li>No direct explosion hazard.</li> <li>Toxic fumes may be released.</li> </ul>
5.3. Advice for firefighters	
Firefighting instructions Protection during firefighting	<ul> <li>Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.</li> <li>Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.</li> </ul>

SECTION 6: Accidental release measures			
6.1. Personal precautions, protective equipment and emergency procedures			
General measures	: Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.		
6.1.1. For non-emergency personnel			
Protective equipment Emergency procedures	<ul> <li>Wear recommended personal protective equipment.</li> <li>No open flames, no sparks, and no smoking. Only qualified personnel equipped with suitable protective equipment may intervene.</li> </ul>		

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6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Evacuate unnecessary personnel. Stop leak if safe to do so.
6.2. Environmental precautions	
Avoid release to the environment. Notify authorities i	f product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up		
For containment	: Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.	
Methods for cleaning up	<ul> <li>Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.</li> </ul>	
Other information	: Dispose of materials or solid residues at an authorized site.	
6.4. Reference to other sections		

For further information refer to section 13.

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Additional hazards when processed Precautions for safe handling Hygiene measures	<ul> <li>Not expected to present a significant hazard under anticipated conditions of normal use.</li> <li>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. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly.</li> <li>Separate working clothes from town clothes. Launder separately. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.</li> </ul>
7.2. Conditions for safe storage, including	
Technical measures	: Ground/bond container and receiving equipment.
Storage conditions	<ul> <li>Brotect from sunlight. Store in a well-ventilated place. Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.</li> </ul>
Incompatible products	: Oxidizing agent. Strong bases. Strong acids.
Storage temperature Packaging materials	: 22 °C : Store always product in container of same material as original 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		
Titanium dioxide (13463-67-7)		
United Kingdom - Occupational Exposure Limits		
Titanium dioxide		
r	nd biological limit values ure Limits	

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Titanium dioxide (13463-67-7)		
WEL TWA (OEL TWA)	4 mg/m³ respirable 10 mg/m³ total inhalable	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	

## 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

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:

Wear recommended personal protective equipment.

### Personal protective equipment symbol(s):



### 8.2.2.1. Eye and face protection

# Eye protection:

Safety glasses

Eye protection			
Туре	Field of application	Characteristics	Standard
Safety glasses		With side shields	EN 166

#### 8.2.2.2. Skin protection

### Skin and body protection:

Wear suitable protective clothing

Skin and body protection			
Туре	Standard		
	EN ISO 6529, El ISO 20345		

## Hand protection:

Protective gloves

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Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR), Chloroprene rubber (CR)	6 (> 480 minutes)	0,4-0,7		EN 374-2, EN ISO 374, EN ISO 374-1

# 8.2.2.3. Respiratory protection

## **Respiratory protection:**

[In case of inadequate ventilation] wear respiratory protection.

Respiratory protection			
Device	Filter type	Condition	Standard
Air-Purifying Respirator (APR), disposable		Short term exposure	

## 8.2.2.4. Thermal hazards

No additional information available

## 8.2.3. Environmental exposure controls

## Environmental exposure controls:

Avoid release to the environment.

9.1. Information on basic physical and chemical properties			
3.1. Information on basic physical and ch	enical properties		
Physical state	: Liquid		
Colour	: Colourless.		
Odour	: Not available		
Odour threshold	: Not available		
Melting point	: Not available		
Freezing point	: Not available		
Boiling point	: 87 °C		
Flammability	: Highly flammable liquid and vapour.		
Lower explosion limit	: Not available		
Upper explosion limit	: Not available		
Flash point	: 14 °C		
Auto-ignition temperature	: Not available		
Decomposition temperature	: Not available		
рН	: Not available		
Viscosity, kinematic	: Not available		
Solubility	: Not miscible. Soluble in organic solvents.		
Partition coefficient n-octanol/water (Log Kow)	: Not available		
Vapour pressure	: Not available		
Vapour pressure at 50°C	: Not available		
Density	: Not available		
Relative density	: Not available		
Relative vapour density at 20°C	: 1		
Particle characteristics	: Not applicable		

### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

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# **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

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

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

**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 (dermal)	Not classified Not classified Not classified		
Tetrafluoroethylene (116-14-3)			
LC50 Inhalation - Rat [ppm]	25000 ppm		
Titanium dioxide (13463-67-7)			
LD50 oral rat	≥ 5000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure), Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity)		
LC50 Inhalation - Rat (Dust/Mist)	> 3.43 mg/l Source: ECHA		
Skin corrosion/irritation :	Not classified		
Titanium dioxide (13463-67-7)			
рН	7		
Serious eye damage/irritation :	Not classified		
Titanium dioxide (13463-67-7)			
pH	7		
Respiratory or skin sensitisation :	Not classified		
Germ cell mutagenicity :	Not classified		
Carcinogenicity :	May cause cancer (oral).		
Tetrafluoroethylene (116-14-3)			
IARC group	2A - Probably carcinogenic to humans		
Titanium dioxide (13463-67-7)			
IARC group	2B - Possibly carcinogenic to humans		
Reproductive toxicity :	Not classified		

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STOT-single exposure	Not classified
Tetrafluoroethylene (116-14-3)	
STOT-single exposure	May cause damage to organs.
STOT-repeated exposure	Not classified
Tetrafluoroethylene (116-14-3)	
LOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.638 mg/l air Animal: rat, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
Aspiration hazard	Not classified
11.2. Information on other hazards	

No additional information available

SECTION 12: Ecological information			
12.1. Toxicity			
	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.		
Hazardous to the aquatic environment, short-term : (acute)	Not classified		
Hazardous to the aquatic environment, long-term : (chronic)	Not classified		
Tetrafluoroethylene (116-14-3)			
LC50 - Fish [1]	378.79 mg/l Test organisms (species): other:Fish		
EC50 96h - Algae [1]	64.17 mg/l Test organisms (species): other:Algae		
Titanium dioxide (13463-67-7)			
LC50 - Fish [1]	155 mg/l Test organisms (species): other:Japanese Medaka		
EC50 - Crustacea [1]	19.3 mg/l Test organisms (species): Daphnia magna		
EC50 - Crustacea [2]	27.8 mg/l Test organisms (species): Daphnia magna		
EC50 - Other aquatic organisms [1]	> 100 mg/l Test organisms (species):		
EC50 72h - Algae [1]	> 100 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)		
LOEC (chronic)	5 mg/l Test organisms (species): Daphnia magna Duration: '21 d'		
NOEC (chronic)	≥ 2.92 mg/l Test organisms (species): Daphnia magna Duration: '21 d'		
12.2. Persistence and degradability			
Modesta BC-02 - Hybrid Titanium / Glass Coa	ting		
Persistence and degradability	Not rapidly degradable		
Tetrafluoroethylene (116-14-3)			
Persistence and degradability	Not rapidly degradable		
Titanium dioxide (13463-67-7)			
Persistence and degradability	Not rapidly degradable		
12.3. Bioaccumulative potential			

No additional information available

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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 me	ethods			
Regional waste regulation Waste treatment methods Sewage disposal recommenda Product/Packaging disposal re Additional information	: Dis ations : Dis ecommendations : Dis	posal must be done according posal must be done according	accordance with licensed colle g to official regulations.	-
SECTION 14: Transpor	rt information			
In accordance with ADR / IMD			101	
ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number or ID nu	umber			
UN 1263	UN 1263	UN 1263	UN 1263	UN 1263
14.2. UN proper shipping	g name		1	
PAINT	PAINT	Paint	PAINT	PAINT
Transport document descri	ption		1	-
UN 1263 PAINT, 3, II, (D/E)	UN 1263 PAINT, 3, II	UN 1263 Paint, 3, II	UN 1263 PAINT, 3, II	UN 1263 PAINT, 3, II
14.3. Transport hazard c	lass(es)		1	-
3	3	3	3	3
14.4. Packing group				
II	II	II	II	II
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

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according to the REACH Regulation (EC) 1907/2006 amen	ded by Regulation (EO) 2020/678
Excepted quantities (ADR)	: E2
Transport category (ADR)	: 2
Hazard identification number (Kemler No.)	: 33
Orange plates	22
0 1	33
	1263
	1203
Tunnel restriction code (ADR)	: D/E
Transport by sea	
Special provisions (IMDG)	: 163, 367
Limited quantities (IMDG)	: 5L
Excepted quantities (IMDG)	: E2
Packing instructions (IMDG)	: P001
Special packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC02
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1, TP8, TP28
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-E
Stowage category (IMDG)	: B
Properties and observations (IMDG)	: Miscibility with water depends upon the composition.
MFAG-No	: 127
Air transport	
PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y341
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 353
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 364
CAO max net quantity (IATA)	: 60L
Special provisions (IATA)	: A3, A72, A192
ERG code (IATA)	: 3L
Inland waterway transport	
Classification code (ADN)	: F1
Special provisions (ADN)	: 163, 367, 640D, 650
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E2
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01
Number of blue cones/lights (ADN)	: 1
Rail transport	
Classification code (RID)	: F1
Special provisions (RID)	: 163, 367, 640D, 650
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E2
Packing instructions (RID)	: P001, IBC02, R001
Special packing provisions (RID)	: PP1
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T4
Portable tank and bulk container special provisions	: TP1, TP8, TP28
(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

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## **SECTION 15: Regulatory information**

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

#### 15.1.1. EU-Regulations

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

EU restriction list (REACH Annex XVII)			
Reference code	Applicable on	Entry title or description	
28.	Tetrafluoroethylene	Substances which are classified as carcinogen category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 1 or Appendix 2, respectively.	
3(a)	Modesta BC-02 - Hybrid Titanium / Glass Coating	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 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	
3(b)	Modesta BC-02 - Hybrid Titanium / Glass Coating ; Titanium dioxide	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	
40.	Tetrafluoroethylene	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	

### **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.

#### **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)

### 15.1.2. National regulations

No additional information available

**15.2. Chemical safety assessment** 

No chemical safety assessment has been carried out

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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			
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			
ED	Endocrine disrupting properties			

Full text of H- and EUH-statements:	
Carc. 1B	Carcinogenicity, Category 1B

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Full text of H- and EUH-statements:		
Carc. 2	Carcinogenicity, Category 2	
EUH211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.	
Flam. Gas 1	Flammable gases, Category 1	
H220	Extremely flammable gas.	
H225	Highly flammable liquid and vapour.	
H280	Contains gas under pressure; may explode if heated.	
H350	May cause cancer.	
H351	Suspected of causing cancer.	
H371	May cause damage to organs.	
Press. Gas (Comp.)	Gases under pressure : Compressed gas	
STOT SE 2	DT SE 2     Specific target organ toxicity – Single exposure, Category 2	

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.