

### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Issue date: 09/01/2018 Revision date: 08/04/2021 Supersedes version of: 09/01/2018 Version: 2.0

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

#### 1.1. Product identifier

Product form : Substance Trade name : CASEI PLUS CAS-No. : 68131-54-4 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 : Professional use

Industrial/Professional use spec : For professional users only

Use of the substance/mixture : Preventive or curative action on the oxidative character of white or rosé musts

and wines.

Contains milk-based product.

Use of the substance/mixture : For œnological use

#### 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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<u>laffortusa@laffort.com</u> - <u>www.laffortusa.com</u>

## 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Australia	NSW Poisons Information Centre The Children's Hospital at Westmead	Locked Bag 4001 NSW 2145 Westmead	13 11 26	
Canada	Ontario Poison Centre (OPC)	The Hospital for Sick Children 555 University Avenue ON M5G 1X8 Toronto	1-800-268-9017 (416) 813-5900	
Canada	BC Drug and Poison Information Centre (DPIC)	655 West 12th Avenue BC V5Z 4R4 Vancouver	1-800-567-8911 (604) 682-5050	
China	National Poison Control Center	Chinese Center for Disease Control and Prevention Nanwei road, No.29 100050 Beijing	+86 10 831 32 046	
Croatia	Centar za kontrolu otrovanja Institut za medicinska istraživanja i medicinu rada	Ksaverska Cesta 2 p.p. 291 10000 Zagreb	+385 1 234 8342	Information available 24/7 in Croatian and English
Czech Republic	Toxikologické informační středisko Klinika pracovního lékařství VFN a 1. LF UK	Na Bojišti 1 120 00 Praha 2	+420 224 919 293 +420 224 915 402	
Denmark	Giftlinjen	Bispebjerg Bakke 23 Opgang 20 C 2400 København NV	+45 82 12 12 12	
Georgia	National Toxicology Information Advisory Center	Tbilisi State Medical University Department of Toxicology - 7 Asatiani St. 380 077 Tbilisi	+995 99 533320	
Greece	Poisons Information Centre Children's Hospital P&A Kyriakou	11762 Athens	+30 2 10 779 3777	

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Hungary	Országos Kémiai Biztonsági Intézet Egészségügyi Toxikológiai Tájékoztató Szolgálat	Nagyvárad tér 2. 1437 Budapest, Pf. 839 1097 Budapest	+36 80 20 11 99
Israel	Israel Poison Information Center Rambam Health Care Campus	6 Ha'Aliya Street 31096 Haifa	+972 4 854 1900
Japan	Japan Poison Information Center	Tsukuba Medical Center 1-1-1 Amakubo 305-0005 Tsukuba City, Ibaraki	+81-29-856-3566 +81-72-727-2499
Jordan	National Drug & Poison Information Center of Jordan		0798506755 00962-6-5353444
Kazakhstan	Republican Toxicology Center	Tole-bi 93 480083 Almaty	+7 3272 925 868
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	+356 2545 6504
New Zealand	National Poisons Centre	Dunedin School of Medicine, University of Otago PO Box 913 9054 Dunedin	0800 764 766 +56 2 2 247 3600
Poland	National Poisons Information Centre The Nofer Institute of Occupational Medicine (Łódź)	ul. Teresy 8 P.O. BOX 199 90950 Łódź	+48 42 63 14 724
Romania	Department of Clinical Toxicology Spitalul de Urgenta Floreasca	Calea Floreasca Bucuresti	+40 21 230 8000
Russia	Информационно- консультативный центр по токсикология (RTIAC) Министерство здравоохранения Российской Федерации	3 Сухаревская Площадь Блок 7 129090 г. Москва	+7 495 628 1687 (только на русском)
Serbia	Nacionalni centar za kontrolu trovanja - VMA	Crnotravska 17 11000 Beograd	+381 11 360 84 40
Slovenia	Center za klinično toksikologijo in farmakologijo Interna klinika, UKCL	Zaloška 7 1000 Ljubljana	+386 522 52 83

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South Africa	Tygerberg Poison Information Centre	Division of Clinical Pharmacology Faculty of	0861 555 777 +56 2 2 247 3600	
	Centre	Medicine and Heath	130 2 2 247 3000	
		Sciences		
		Stellenbosch University -		
		PO Box 241 8 000 Cape Town		
Sweden	Giftinformationscentralen	Solna Strandväg 21 171 54 Solna	112 – begär Giftinformation	
Turkey	Ulusal Zehir Merkezi (UZEM) Refik Saydam Hıfzısıhha Merkezi	Cemal Gürsel Cd. No: 18 Sıhhiye	114	Information is provided to public
	Başkanlığı	Çankaya		and medical
	başkarıngı	06590 Ankara		personnel on
				poisoning incidents
				via 114.
United Kingdom	National Poisons Information	Grosvenor Road	0344 892 0111	
	Service (Belfast Centre)	BT12 6BA Belfast		
	Royal Victoria Hospital			
United Kingdom	National Poisons Information	Dudley Road	0344 892 0111	
	Service (Birmingham Centre)	B18 7QH Birmingham		
	City Hospital			
United Kingdom	National Poisons Information	Penarth	0344 892 0111	
	Service (Cardiff Centre)	CF64 2XX Cardiff		
	Gwenwyn Ward, Llandough Hospital			
	<u> </u>	1:::1 5 0 .	0244 002 0444	
United Kingdom	National Poisons Information Service Edinburgh	Little France Crescent EH16 4SA Edinburgh	0344 892 0111	
	Royal Infirmary of Edinburgh	LITTO 45A Ediliburgii		
United Kingdom	Guy's & St Thomas' Poisons Unit	Avonley Road	+44 20 7188 7188	
Officed Kingdom	Medical Toxicology Unit, Guy's &	SE14 5ER London	744 20 /100 /100	
	St Thomas' Hospital Trust			
United Kingdom	National Poisons Information	Claremont Place	0344 892 0111	
	Service (Newcastle Centre)	Newcastle-upon-Tyne		
	Regional Drugs and Therapeutics	NE1 4LP Newcastle		
	Centre, Wolfson Unit			
United States of	American Association of Poison	515 King St., Suite 510	1-800-222-1222	
America	Control Centers	VA 22314 Alexandria	+56 2 2 247 3600	

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#### **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

According to EC directives or the corresponding national regulations there is no labelling obligation for this product. No labelling applicable

#### 2.3. Other hazards

No additional information available

# SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Substance type: Mono-constituentName: CASEI PLUSCAS-No.: 68131-54-4

Name	Product identifier	%
Potassium caseinate	(CAS-No.) 68131-54-4	100

#### 3.2. Mixtures

Not applicable

#### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

First-aid measures general : Does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice and that precautions are taken to avoid the inhalation of dust. If symptoms persist call a doctor.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If symptoms persist, call a physician.

First-aid measures after skin contact : After contact with skin, wash immediately and thoroughly with water and soap. If symptoms persist, call a physician.

First-aid measures after eye contact : In case of eye contact, immediately rinse with clean water for 10-15 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 : If swallowed, rinse mouth with water (only if the person is conscious). Never give anything by mouth to an unconscious person. Call a poison center or a

doctor if you feel unwell.

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

Symptoms/effects : More detailed information: See section 11.

Symptoms/effects after inhalation : None under normal use.

Symptoms/effects after skin contact : None under normal conditions.

Symptoms/effects after eye contact : May cause slight irritation.

Symptoms/effects after ingestion : None under normal conditions. Gastrointestinal complaints.

## 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 : If there is a fire close by, use suitable extinguishing agents. carbon dioxide

(CO2), powder, alcohol-resistant foam, water spray.

Unsuitable extinguishing media : Do not use water jet.

#### **5.2.** Special hazards arising from the substance or mixture

Fire hazard : In case of fire and/or explosion do not breathe fumes.

Explosion hazard : Avoid raising powdered material due to explosion hazard.

Hazardous decomposition products in case

of fire

: Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide.

## 5.3. Advice for firefighters

Firefighting instructions : 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 attempt to take action without suitable protective equipment. Self-

contained breathing apparatus. Complete protective clothing.

Other information : Do not contaminate ground and surface water. Dispose in a safe manner in

accordance with local/national regulations.

#### **SECTION 6: Accidental release measures**

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Do not handle until all safety precautions have been read and understood.

Evacuate personnel to a safe area.

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Ventilate spillage area. Do not touch or walk on the spilled product. Avoid

contact with skin and eyes.

Measures in case of dust release : Avoid dust formation.

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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".

## 6.2. Environmental precautions

Do not flush into surface water or sewer system. Notify authorities if product enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Dust deposited may be vacuum cleaned or the area hosed down with water.

Mechanically recover the product. Avoid raising powdered materials into airborne dust. Contain leaking substance, pump over in suitable containers. Clean contaminated surfaces with an excess of water. Shovel into suitable and

closed container for disposal. Liquid material is slippery.

Other information : Dispose of materials or solid residues at an authorized site. Do not allow to

enter drains or water courses.

#### 6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

### **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid dust formation. Ensure good ventilation of the work station. Local

exhaust is recommended where dust may occur. Where excessive dust may result, use approved respiratory protection equipment. Avoid contact with skin and eyes. Wear recommended personal protective equipment. Store tightly

closed in a dry and cool place.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other

exposed areas with mild soap and water before eating, drinking or smoking and

when leaving work. Always wash hands after handling the product.

## 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep only in the original container.

Storage conditions : Store tightly closed in a dry and cool place. Keep in a well-ventilated room.

Store away from heat/moisture. Keep out of direct sunlight. Keep container

tightly closed to prevent moisture pick-up.

Incompatible products : Odour agents.

Incompatible materials : None to our knowledge.

Heat and ignition sources : Keep away from ignition sources (including static discharges).

## 7.3. Specific end use(s)

For œnological use.

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## SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

No additional information available

#### 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. Avoid dust formation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure the ventilation system is regularly maintained and tested.

#### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Refer to protective measures listed in Sections 7 and 8.

## 8.2.2.1. Eye and face protection

#### Eye protection:

No special eye protection equipment recommended under normal conditions of use. Where excessive dust may result, wear goggles

Туре	Field of application	Characteristics	Standard
Safety glasses	Dust		EN 166

#### 8.2.2.2. Skin protection

### Skin and body protection:

Wear suitable protective clothing

### Hand protection:

No special protection required. In case of repeated or prolonged contact wear gloves. In case of excessive dust production. Wear protective gloves. EN 374

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Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Butyl rubber, Nitrile rubber (NBR), Natural rubber, Chloroprene rubber (CR), Neoprene rubber (HNBR)	6 (> 480 minutes)	0.7		

#### Other skin protection

#### Materials for protective clothing:

Wear suitable protective clothing. Long sleeved protective clothing. Antistatic clothing. EN 340. EN 1149

#### 8.2.2.3. Respiratory protection

#### **Respiratory protection:**

No special protection required where adequate ventilation is maintained. Wear suitable respiratory equipment in case of insufficient ventilation. EN 143. EN 149

Device	Filter type	Condition	Standard
Dust mask	Type P2		EN 143, EN 149

#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

#### **Environmental exposure controls:**

Do not allow into drains or water courses. Avoid release to the environment.

## Other information:

Do not eat, drink or smoke during work. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

## SECTION 9: Physical and chemical properties

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

Physical state : Solid

Colour : White to off-white.

**Appearance** : Powder. Odour : characteristic. Odour threshold : Not available Melting point : Not available Freezing point : Not applicable **Boiling point** : Not available Flammability : Not available : Not explosive. **Explosive properties** 

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Explosive limits : Not applicable
Lower explosive limit (LEL) : Not applicable
Upper explosive limit (UEL) : Not applicable
Flash point : Not applicable
Auto-ignition temperature : Not applicable
Decomposition temperature : Not available
pH : Not available

pH solution : 6 – 7 % 10 g/l - 25 °C Viscosity, kinematic : Not applicable Solubility : Soluble in water.

Water: > 90 % : Not available

Partition coefficient n-octanol/water (Log

Kow)

Vapour pressure : Not available Vapour pressure at 50 °C : Not available Density : ≈ 350 g/l 20°C Relative density : Not applicable Relative vapour density at 20 °C : Not applicable Particle size : Not available : Not available Particle size distribution Particle shape : Not available Particle aspect ratio : Not available : Not available Particle aggregation state Particle agglomeration state : Not available Particle specific surface area : Not available Particle dustiness : Not available

#### 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

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

## 10.2. Chemical stability

Stable under normal conditions of use.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

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## 10.4. Conditions to avoid

Heat. flames or sparks. Moisture.

## 10.5. Incompatible materials

Oxidation agents.

## 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition generates: See Heading 5.

## SECTION 11: Toxicological information

## 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

	cimed in Regulation (20) No 1272/2000
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>May cause allergy or asthma symptoms or breathing difficulties if inhaled.</li> <li>(Based on available data, the classification criteria are not met)</li> </ul>
Skin corrosion/irritation	: May be slightly irritating to skin and eyes (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: May cause eye-irritation of susceptible persons (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation	: May cause allergy or asthma symptoms or breathing difficulties if inhaled. (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)

# 11.2. Information on other hazards

No additional information available

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Viscosity, kinematic

Not applicable

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## **SECTION 12: Ecological information**

#### 12.1. Toxicity

Ecology - general : Ecological problems are not known or expected under normal use. 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 (Based on available data, the classification criteria are not met)

term (chronic)

Hazardous to the aquatic environment, long- : Not classified (Based on available data, the classification criteria are not met)

## 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

Other adverse effects : No other effects known, Do not allow to enter drains or water courses

## **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting

instructions.

Product/Packaging disposal

recommendations

: Empty remaining contents. Dispose of contents/container in accordance with

licensed collector's sorting instructions.

# **SECTION 14: Transport information**

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

#### 14.1. UN number or ID number

UN-No. (ADR) : Not regulated UN-No. (IMDG) : Not regulated

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UN-No. (IATA) : Not regulated UN-No. (ADN) : Not regulated UN-No. (RID) : Not regulated

#### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not regulated
Proper Shipping Name (IMDG) : Not regulated
Proper Shipping Name (IATA) : Not regulated
Proper Shipping Name (ADN) : Not regulated
Proper Shipping Name (RID) : Not regulated

#### 14.3. Transport hazard class(es)

**ADR** 

Transport hazard class(es) (ADR) : Not regulated

**IMDG** 

Transport hazard class(es) (IMDG) : Not regulated

**IATA** 

Transport hazard class(es) (IATA) : Not regulated

**ADN** 

Transport hazard class(es) (ADN) : Not regulated

RID

Transport hazard class(es) (RID) : Not regulated

### 14.4. Packing group

Packing group (ADR) : Not regulated
Packing group (IMDG) : Not regulated
Packing group (IATA) : Not regulated
Packing group (ADN) : Not regulated
Packing group (RID) : Not regulated

## 14.5. Environmental hazards

Dangerous for the environment : No Marine pollutant : No

Other information : No supplementary information available

## 14.6. Special precautions for user

Special transport precautions : Prevent entry to sewers and public waters

**Overland transport** 

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

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#### Rail transport

Not regulated

## 14.7. Maritime transport in bulk according to IMO instruments

IBC code : 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

No REACH Annex XVII restrictions

CASEI PLUS is not on the REACH Candidate List

CASEI PLUS is not on the REACH Annex XIV List

CASEI PLUS is not 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.

CASEI PLUS is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Other information, restriction and

: For œnological use.

prohibition regulations

#### 15.1.2. National regulations

#### Germany

Water hazard class (WGK) : Not classified according to Regulation Governing Systems for Handling

Substances Hazardous to Waters (AwSV)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

**Netherlands** 

SZW-lijst van kankerverwekkende stoffen : The substance is not listed SZW-lijst van mutagene stoffen : The substance is not listed NIET-limitatieve lijst van voor de : The substance is not listed

voortplanting giftige stoffen – Borstvoeding

NIET-limitatieve lijst van voor de : The substance is not listed

voortplanting giftige stoffen -

Vruchtbaarheid

NIET-limitatieve lijst van voor de : The substance is not listed

voortplanting giftige stoffen - Ontwikkeling

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

#### SECTION 16: Other information

## Indication of changes:

Revision - See: \*.

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Section	Changed item	Change	Comments
4.1	First-aid measures general	Modified	
4.2	Symptoms/effects after ingestion	Added	
4.2	Symptoms/effects after eye contact	Added	
4.2	Symptoms/effects after skin contact	Added	
4.2	Symptoms/effects after inhalation	Added	
5.1	Suitable extinguishing media	Modified	
5.2	Fire hazard	Added	
5.2	Hazardous decomposition products in case of fire	Modified	
5.2	Explosion hazard	Added	
5.3	Firefighting instructions	Added	
6.1	General measures	Added	
6.1	Emergency procedures	Modified	
6.2	Environmental precautions	Modified	
6.3	Methods for cleaning up	Modified	
6.3	Other information	Modified	
7.1	Precautions for safe handling	Modified	
7.1	Hygiene measures	Modified	
7.2	Storage conditions	Modified	
7.2	Incompatible materials	Modified	
7.2	Incompatible products	Modified	
8.2	Appropriate engineering controls	Modified	
8.2	Hand protection	Modified	
8.2	Materials for protective clothing	Modified	
8.2	Respiratory protection	Modified	
10.6	Hazardous decomposition products	Modified	
11.1	Reason for no classification	Added	

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12.1	Ecology - general	Added	
12.6	Other adverse effects	Modified	
13.1	Regional legislation (waste)	Added	
13.1	Sewage disposal recommendations	Added	

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.