

# Safety Data Sheet

29 CFR 1910.1200 App D

## SureCure™ (SureCure® LD, SureCure® 100, SureCure® 100C, SureCure® 250)

Version number: 1.0

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

#### 1.1 Product identifier

**Trade name** SureCure™ (SureCure® LD, SureCure® 100,  
SureCure® 100C, SureCure® 250)

**CAS number** 12065-90-6

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

**Relevant identified uses** Seed crystal

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

Hammond Lead Products Telephone: ++1-219-845-0031  
Hammond Group, Inc.  
2308 165th Street  
Hammond, IN 46323  
United States

**e-mail (competent person)** [sdb@csb-online.de](mailto:sdb@csb-online.de)

Please do not use this e-mail address to ask for the latest safety data sheet. For this purpose contact Hammond Lead Products.

#### 1.4 Emergency telephone number

**Emergency information service** 219-845-0031

Poison centre		
Country	Name	Telephone
United States	CHEMTREC USA	(800) 424-9300

As above or next toxicological information centre.

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

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## Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Classification				
Section	Hazard class	Category	Hazard class and category	Hazard statement
A.10	acute toxicity (oral)	4	Acute Tox. 4	H302
A.11	acute toxicity (inhal.)	4	Acute Tox. 4	H332
A.6	carcinogenicity	1B	Carc. 1B	H350
A.7	reproductive toxicity	1A	Repr. 1A	H360Df
A.7L	effects on or via lactation	L	Lact.	H362
A.9	specific target organ toxicity - repeated exposure	1	STOT RE 1	H372

for full text of abbreviations: see SECTION 16

### The most important adverse physicochemical, human health and environmental effects

Delayed or immediate effects can be expected after short or long-term exposure.  
Spillage and fire water can cause pollution of watercourses.

## 2.2 Label elements

### Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

**Signal word**            danger

#### Pictograms

**GHS07, GHS08**



#### Hazard statements

**H302+H332**            Harmful if swallowed or if inhaled.  
**H350**                     May cause cancer.  
**H360Df**                 May damage the unborn child. Suspected of damaging fertility.  
**H362**                     May cause harm to breast-fed children.  
**H372**                     Causes damage to organs through prolonged or repeated exposure.

#### Precautionary statements

**P201**                     Obtain special instructions before use.  
**P202**                     Do not handle until all safety precautions have been read and understood.  
**P260**                     Do not breathe dust.  
**P263**                     Avoid contact during pregnancy/while nursing.  
**P264**                     Wash thoroughly after handling.  
**P270**                     Do not eat, drink or smoke when using this product.

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## Precautionary statements

<b>P271</b>	Use only outdoors or in a well-ventilated area.
<b>P280</b>	Wear protective gloves/protective clothing/eye protection/face protection.
<b>P304+P340</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
<b>P308+P313</b>	IF exposed or concerned: Get medical advice/ attention.
<b>P314</b>	Get medical advice/attention if you feel unwell.
<b>P330</b>	Rinse mouth.
<b>P405</b>	Store locked up.
<b>P501</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental hazard information

For professional users only.

## 2.3 Other hazards

There is no additional information.

### Hazards not otherwise classified

Very toxic to aquatic life with long lasting effects (GHS category 1: aquatic toxicity - acute and/or chronic).

### Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

<b>Name of substance</b>	pentalead tetraoxide sulfate
<b>Identifiers</b>	
CAS No	12065-90-6
<b>Molecular formula</b>	O8Pb5S
<b>Molar mass</b>	1,196 g/mol

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General notes

Take off immediately all contaminated clothing.

IF exposed or concerned: Get medical advice/attention.

Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours.

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## **Following inhalation**

Provide fresh air.

Mouth to mouth resuscitation should be avoided. Use alternative methods, preferably with oxygen or compressed air driven apparatus.

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions.

## **Following skin contact**

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap.

Get medical advice/attention.

## **Following eye contact**

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Remove contact lenses, if present and easy to do. Continue rinsing.

## **Following ingestion**

Rinse mouth immediately and drink plenty of water.

Induce vomiting when the affected person is not unconscious.

Call a physician in any case.

## **Notes for the doctor**

none

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

These information are not available.

## **4.3 Indication of any immediate medical attention and special treatment needed**

none

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

co-ordinate firefighting measures to the fire surroundings, water, foam, alcohol resistant foam, fire extinguishing powder

#### **Unsuitable extinguishing media**

water jet

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

Hazardous decomposition products: Section 10.

#### **Hazardous combustion products**

sulphur oxides (SO<sub>x</sub>), metal oxide smoke, toxic

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## 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes.  
Co-ordinate firefighting measures to the fire surroundings.  
Do not allow firefighting water to enter drains or water courses.  
Collect contaminated firefighting water separately.  
Fight fire with normal precautions from a reasonable distance.

### Special protective equipment for firefighters

self-contained breathing apparatus (SCBA)

## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

Remove persons to safety.  
Ventilate affected area.  
Control of dust.  
Do not breathe dust.  
Do not get in eyes, on skin, or on clothing.  
Wearing of suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing.

#### For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water.  
Retain contaminated washing water and dispose of it.  
If substance has entered a water course or sewer, inform the responsible authority.

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

#### Advice on how to contain a spill

take up mechanically

#### Advice on how to clean up a spill

Take up mechanically.  
Collect spillage.

#### Other information relating to spills and releases

Place in appropriate containers for disposal.  
Ventilate affected area.

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## 6.4 Reference to other sections

Hazardous combustion products: see section 5.

Personal protective equipment: see section 8.

Incompatible materials: see section 10.

Disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation.

#### Specific notes/details

Dust deposits may accumulate on all deposition surfaces in a technical room.

#### Measures to protect the environment

Avoid release to the environment.

#### Advice on general occupational hygiene

Do not eat, drink and smoke in work areas.

Remove contaminated clothing and protective equipment before entering eating areas.

Do not breathe dust.

Do not get in eyes, on skin, or on clothing.

Avoid contact during pregnancy and while nursing.

Wash thoroughly after handling.

Preventive skin protection (barrier creams/ointments) is recommended.

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

#### Flammability hazards

None.

#### Incompatible substances or mixtures

Incompatible materials: see section 10.

#### Protect against external exposure, such as

heat

#### Consideration of other advice

Keep away from food, drink and animal feedingstuffs.

Store in a dry place. Store in a closed container.

Keep cool.

#### General rule

Store locked up.

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## Ventilation requirements

Keep any substance that emits harmful vapours or gases in a place that allows these to be permanently extracted.

Provision of sufficient ventilation.

## Packaging compatibilities

Only packagings which are approved (e.g. acc. to DOT) may be used.

## 7.3 Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)									
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m <sup>3</sup> ]	STEL [ppm]	STEL [mg/m <sup>3</sup> ]	Notation	Source
US	lead, inorganic compounds		PEL (CA)		0.05			df, Pb	Cal/OSHA PEL
US	lead, inorganic compounds		PEL		0.05			Pb	29 CFR 1910.1000
US	lead compounds		REL		0.05			Pb, appx-C	NIOSH REL

#### Notation

appx-C Appendix C - Supplementary Exposure Limits

df as dust and fumes

Pb calculated as Pb (lead)

STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

### Environmental values

Relevant PNECs and other threshold levels		
Endpoint	Threshold level	Environmental compartment
PNEC	2.4 µg/l	freshwater
PNEC	3.3 µg/l	marine water
PNEC	186 mg/kg	freshwater sediment
PNEC	168 mg/kg	marine sediment

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## 8.2 Exposure controls

### Appropriate engineering controls

General ventilation.

### Individual protection measures (personal protective equipment)

#### Eye/face protection

Wear eye/face protection.

#### Hand protection

Protective gloves		
Material	Material thickness	Breakthrough times of the glove material
plastic and rubber	no information available	no information available

Wear suitable gloves.

Chemical protection gloves are suitable, which are tested according to EN 374.

Check leak-tightness/impermeability prior to use.

In the case of wanting to use the gloves again, clean them before taking off and air them well.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

#### Other protection measures

Protective clothing for use against solid particulates.

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Particulate filter device (EN 143).

#### Environmental exposure controls

Use appropriate container to avoid environmental contamination.

Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

Physical state	solid
Form	powder
Colour	white
Odour	odourless
Odour threshold	these information are not available



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**Other safety parameters**

pH (value)	these information are not available
Melting point/freezing point	>350 °C
Initial boiling point and boiling range	>600 °C at 1,013 mbar (OECD Guideline 103)
Flash point	not applicable
Evaporation rate	these information are not available
Flammability (solid, gas)	non-combustible
Explosion limits of dust clouds	not determined
Vapour pressure	these information are not available
Density	>3 g/cm <sup>3</sup> at 20 °C
Vapour density	these information are not available
Relative density	>3 at 20 °C (water = 1)

**Solubility(ies)**

Water solubility 0.02 g/l at 23 °C

**Partition coefficient**

n-octanol/water (log KOW)	these information are not available
Auto-ignition temperature	not relevant (Solid matter)
Decomposition temperature	these information are not available

**Viscosity**

Kinematic viscosity	not relevant (solid matter)
Dynamic viscosity	not relevant (solid matter)
Explosive properties	not explosive
Oxidising properties	shall not be classified as oxidising

**9.2 Other information**

None

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

This material is not reactive under normal ambient conditions.

### 10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

### 10.5 Incompatible materials

There is no additional information.

### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known.

Hazardous combustion products: see section 5.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

If not otherwise specified the classification is based on:

Animal studies; Evidence from any other toxicity tests; Expert judgement (weight of evidence determination).

#### Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

##### Acute toxicity

Shall not be classified as acutely toxic (dermal).

Harmful if swallowed.

Harmful if inhaled.

Acute toxicity				
Exposure route	Endpoint	Value	Species	Method
oral	LD50	>5,000 mg/kg	rat	OECD Guideline 401
oral	LD50	>2,000 mg/kg	rat	OECD Guideline 423
dermal	LD50	>2,000 mg/kg	rat	OECD Guideline 402

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**Skin corrosion/irritation**

Shall not be classified as corrosive/irritant to skin.

**Serious eye damage/eye irritation**

Shall not be classified as seriously damaging to the eye or eye irritant.

**Respiratory or skin sensitisation**

**Skin sensitisation**

Shall not be classified as a skin sensitiser.

**Respiratory sensitisation**

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

**Germ cell mutagenicity**

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

**Carcinogenicity**

May cause cancer.

**IARC Monographs**

<b>IARC Monographs on the Evaluation of Carcinogenic Risks to Humans</b>			
<b>Name of substance</b>	<b>CAS No</b>	<b>Classification</b>	<b>Number</b>
pentalead tetraoxide sulfate		2A	

**Legend**

2A      Probably carcinogenic to humans

**National Toxicology Program (United States)**

<b>National Toxicology Program: Report on Carcinogens</b>			
<b>Name of substance</b>	<b>CAS No</b>	<b>Classification</b>	<b>Number</b>
pentalead tetraoxide sulfate		Reasonably anticipated to be human carcinogens	11th Report on Carcinogens

**OSHA Carcinogens**

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**29 CFR 1910/1915/1926 Occupational Safety and Health Standards: Toxic and Hazardous Substances (carcinogens)**

Name of substance	CAS No	Type of registration
pentalead tetraoxide sulfate		GI §1910.1025, SE §1915.1025, CI §1926.62

**Legend**

CI §1926.62	Construction Industry (29 CFR 1926.62)§us_oshacarc_1_2017
GI §1910.1025	General Industry (29 CFR 1910.1025)§us_oshacarc_1_2017
SE §1915.1025	Shipyards Employment (29 CFR 1915.1025)§us_oshacarc_1_2017

**Reproductive toxicity**

May damage the unborn child.  
Suspected of damaging fertility.  
May cause harm to breast-fed children.

**Specific target organ toxicity - single exposure**

Classification could not be established because:  
Data are lacking, inconclusive, or conclusive but not sufficient for classification.

**Specific target organ toxicity - repeated exposure**

Causes damage to organs through prolonged or repeated exposure.

**Aspiration hazard**

Shall not be classified as presenting an aspiration hazard.

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Aquatic toxicity (acute)**

Based on available data, the classification criteria are not met.

<b>Aquatic toxicity (acute)</b>			
Endpoint	Value	Species	Exposure time
LC50	107 µg/l	rainbow trout ( <i>Oncorhynchus mykiss</i> )	96 h
LC50	73.56 µg/l	<i>Ceriodaphnia dubia</i> (water flea)	48 h
ErC50	20.5 µg/l	algae ( <i>pseudokirchneriella subcapitata</i> )	72 h

**Aquatic toxicity (chronic)**

Very toxic to aquatic life with long lasting effects.

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<b>Aquatic toxicity (chronic)</b>				
<b>Endpoint</b>	<b>Value</b>	<b>Species</b>	<b>Method</b>	<b>Exposure time</b>
NOEC	7.6 µg/l	Ceriodaphnia dubia (water flea)		7 d
growth (EbCx) 10%	1.7 µg/l	Ceriodaphnia dubia (water flea)		7 d

## 12.2 Persistence and degradability

### Biodegradation

The study does not need to be conducted because the substance is inorganic.

### Persistence

The study does not need to be conducted because the substance is inorganic.

## 12.3 Bioaccumulative potential

Data are not available.

## 12.4 Mobility in soil

Data are not available.

## 12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

## 12.6 Other adverse effects

Data are not available.

### Remarks

Wassergefährdungsklasse, WGK (water hazard class): 3

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

This material and its container must be disposed of as hazardous waste.

#### Sewage disposal-relevant information

Do not empty into drains.

#### Waste treatment of containers/packagings

Only packagings which are approved (e.g. acc. to DOT) may be used.  
Handle contaminated packages in the same way as the substance itself.

### Remarks

Please consider the relevant national or regional provisions.

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**SECTION 14: Transport information**

<b>14.1</b>	<b>UN number</b>	3077
<b>14.2</b>	<b>UN proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
	<b>Technical name</b>	pentalead tetraoxide sulfate
<b>14.3</b>	<b>Transport hazard class(es)</b>	
	<b>Class</b>	9
<b>14.4</b>	<b>Packing group</b>	III
<b>14.5</b>	<b>Environmental hazards</b>	hazardous to the aquatic environment
<b>14.6</b>	<b>Special precautions for user</b>	
	There is no additional information.	
<b>14.7</b>	<b>Transport in bulk according to Annex II of MARPOL and the IBC Code</b>	
	The cargo is not intended to be carried in bulk.	

**14.8 Information for each of the UN Model Regulations**


**Transport of dangerous goods by road or rail (49 CFR US DOT)**

Index number	3077
Proper shipping name	Environmentally hazardous substance, solid, n.o.s.
<b>Particulars in the shipper's declaration</b>	UN3077, Environmentally hazardous substance, solid, n.o.s., (pentalead tetraoxide sulfate), 9, III
Class	9
Packing group	III
Danger label(s)	9, fish and tree
	
Environmental hazards	yes (hazardous to the aquatic environment)
Special provisions (SP)	8, 146, 335, A112, B54, B120, IB8, IP3, N20, T1, TP33
ERG No	171


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**International Maritime Dangerous Goods Code (IMDG)**

UN number	3077
Proper shipping name	UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (pentalead tetraoxide sulfate), 9, III
Class	9
Marine pollutant	yes (hazardous to the aquatic environment)
Packing group	III
Danger label(s)	9, fish and tree
	
Special provisions (SP)	274, 335, 966, 967, 969
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 kg
EmS	F-A, S-F
Stowage category	A

**International Civil Aviation Organization (ICAO-IATA/DGR)**

UN number	3077
Proper shipping name	UN3077, Environmentally hazardous substance, solid, n.o.s., (pentalead tetraoxide sulfate), 9, III
Class	9
Environmental hazards	yes (hazardous to the aquatic environment)
Packing group	III
Danger label(s)	9, fish and tree
	
Special provisions (SP)	A97, A158, A179, A197
Excepted quantities (EQ)	E1
Limited quantities (LQ)	30 kg

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**SECTION 15: Regulatory information**

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

**National regulations (United States)**

**Toxic Substance Control Act (TSCA)** substance is listed

**Superfund Amendment and Reauthorization Act (SARA TITLE III )**

**The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304)**

not listed

**Specific Toxic Chemical Listings (EPCRA Section 313)**

Toxics Release Inventory			
Name acc. to inventory	CAS No	Remarks	Effective date
lead compounds			1987-01-01

**Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)**

**List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4)**

Name of substance	CAS No	Remarks	Statutory code	Final RQ pounds (Kg)
pentalead tetraoxide sulfate		[1]	2 3	

**Legend**

2 "2" indicates that the source is section 307(a) of the Clean Water Act

3 "3" indicates that the source is section 112 of the Clean Air Act

[1] Indicates that no RQ is being assigned to the generic or broad class.

**Clean Air Act**

not listed

**New Jersey Worker and Community Right to Know Act**

Right to Know Hazardous Substance List			
Name acc. to inventory	CAS No	Remarks	Classifications
lead compounds			CA.

**Legend**

CA Carcinogenic



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**California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1986**

<b>Proposition 65 List of chemicals</b>			
<b>Name acc. to inventory</b>	<b>CAS No</b>	<b>Remarks</b>	<b>Type of the toxicity</b>
lead compounds			cancer

**Industry or sector specific available guidance(s)**

**NPCA-HMIS® III**

Hazardous Materials Identification System.  
American Coatings Association.

<b>Category</b>	<b>Rating</b>	<b>Description</b>
Chronic	*	chronic (long-term) health effects may result from repeated overexposure
Health	2	temporary or minor injury may occur
Flammability	0	material that will not burn under typical fire conditions
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

**NFPA® 704**

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

<b>Category</b>	<b>Degree of hazard</b>	<b>Description</b>
Flammability	0	material that will not burn under typical fire conditions
Health	3	material that, under emergency conditions, can cause serious or permanent injury
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

**15.2 Chemical Safety Assessment**

No Chemical Safety Assessment has been carried out for this substance by the supplier.

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## SECTION 16: Other information

Date of preparation: 2019-08-08

### Abbreviations and acronyms

Abbreviations and acronyms	
Abbr.	Descriptions of used abbreviations
29 CFR 1910.1000	29 CFR 1910.1000, Tables Z-1, Z-2, Z-3 - Occupational Safety and Health Standards: Toxic and Hazardous Substances (permissible exposure limits)
49 CFR US DOT	49 CFR § 40 U.S. Department of Transportation
Cal/OSHA PEL	California Division of Occupational Safety and Health (Cal/OSHA): Permissible Exposure Limits (PELs)
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
DGR	Dangerous Goods Regulations (see IATA/DGR)
DOT	Department of Transportation (USA)
EmS	Emergency Schedule
ErC50	≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control
ERG No	Emergency Response Guidebook - Number
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IARC Monographs	IARC Monographs on the Evaluation of Carcinogenic Risks to Humans
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
LD50	Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
NIOSH REL	National Institute for Occupational Safety and Health (NIOSH): Recommended Exposure Limits (RELs)
NOEC	No Observed Effect Concentration
NPCA-HMIS® III	National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition
OSHA	Occupational Safety and Health Administration (United States)

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<b>Abbreviations and acronyms</b>	
<b>Abbr.</b>	<b>Descriptions of used abbreviations</b>
PBT	Persistent, Bioaccumulative and Toxic
PEL	Workplace exposure limit
PNEC	Predicted No-Effect Concentration
ppm	Parts per million
STEL	Short-term exposure limit
TWA	Time-weighted average
vPvB	Very Persistent and very Bioaccumulative

**Key literature references and sources for data**

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT).

International Maritime Dangerous Goods Code (IMDG).

Dangerous Goods Regulations (DGR) for the air transport (IATA).

**List of relevant phrases (code and full text as stated in chapter 2 and 3)**

<b>List of relevant phrases (code and full text as stated in chapter 2 and 3)</b>	
<b>Code</b>	<b>Text</b>
H302	Harmful if swallowed.
H332	Harmful if inhaled.
H350	May cause cancer.
H360Df	May damage the unborn child. Suspected of damaging fertility.
H362	May cause harm to breast-fed children.
H372	Causes damage to organs through prolonged or repeated exposure.

**Responsible for the safety data sheet**

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**Disclaimer**

This information is based upon the present state of our knowledge.

This SDS has been compiled and is solely intended for this product.