

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)  
(This safety data sheet is for information only as it does not comply with the official language requirements of Article 31 (5) of REACH nor does it provide the national information in sections 8 and 15 as specified in Annex II of REACH.)

## DET-AC III Slave / DET-AC III Master

Version number: 9.0  
Replaces version of: 2024-10-24 (8)

Revision: 2025-11-13  
First version: 2016-09-16

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

#### 1.1 Product identifier

Trade name **DET-AC III Slave / DET-AC III Master**

Product number 920330

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

Relevant identified uses Tank system is used for fire protection in cabinet systems

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

Minimax Technologies GmbH  
Industriestrasse 10/12  
23840 Bad Oldesloe  
Germany

Telephone: +49 (0) 4531 - 803 0  
e-mail: mvpg\_ts\_gas@mx-vk.eu  
Website: www.minimax.de

e-mail (competent person) sdb@csb-compliance.com

Please do not use this e-mail address to ask for the latest safety data sheet. For this purpose contact Minimax Technologies GmbH.

#### 1.4 Emergency telephone number

Emergency information Consultank GmbH +49 (0) 178 433 7434

As above or nearest toxicological information centre.

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

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

Classification				
Section	Hazard class	Category	Hazard class and category	Hazard statement
4.1C	hazardous to the aquatic environment -	3	Aquatic Chronic 3	H412

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Classification				
Section	Hazard class	Category	Hazard class and category	Hazard statement
	chronic hazard			

For full text of abbreviations: see SECTION 16

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

May displace oxygen and cause rapid suffocation.  
Spillage and fire water can cause pollution of watercourses.

## 2.2 Label elements

### Labelling according to Regulation (EC) No 1272/2008 (CLP)

**Signal word** Not required.

**Pictograms** Not required.

### Hazard statements

**H412** Harmful to aquatic life with long lasting effects.

### Precautionary statements

**P273** Avoid release to the environment.

**P501** Dispose of contents/container in accordance with local/regional/national/international regulations.

## 2.3 Other hazards

### Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of  $\geq 0,1\%$ .

### Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not relevant (article).

### 3.2 Mixtures

Not relevant (article).

### Product description

Type and category of the pyrotechnic article: SMOKE/AEROSOL GENERATOR other pyrotechnic articles category P1.

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Hazardous ingredients					
Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms	Notes
1,1,1,2,2,4,5,5,5-nonafluoro-4-(trifluoromethyl)-3-pentanone	CAS No 756-13-8  EC No 436-710-6  Index No 606-108-00-X  REACH Reg. No 01-0000018239-65-xxxx	25 – < 50	Aquatic Chronic 3 / H412	-	GHS-HC

## Notes

GHS- Harmonised classification (the classification of the substance corresponds to the entry in the list according to HC: 1272/2008/EC, Annex VI)

## Other

Non-spillable battery fitted.

Airbag gas generator fitted.

## Remarks

For full text of H-phrases: see SECTION 16

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General notes

Self-protection of the first aider.

Remove affected person from the danger area and lay down.

Do not leave affected person unattended.

In all cases of doubt, or when symptoms persist, seek medical advice.

#### Following inhalation

Provide fresh air.

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

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

#### Following skin contact

Thaw frosted parts with lukewarm water. Do not rub affected area.

Get immediate medical advice/attention.

#### Following eye contact

Thaw frosted parts with lukewarm water. Do not rub affected area.

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Remove contact lenses, if present and easy to do. Continue rinsing.  
Get immediate medical advice/attention.

### **Following ingestion**

Do NOT induce vomiting.  
Get medical advice/attention if you feel unwell.

### **Notes for the doctor**

None.

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

Frostbite.  
May displace oxygen and cause rapid suffocation.

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

None.

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

water spray, alcohol resistant foam, fire extinguishing powder, carbon dioxide (CO<sub>2</sub>), co-ordinate fire-fighting measures to the fire surroundings

#### **Unsuitable extinguishing media**

water jet

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

Hazardous decomposition products: Section 10.

#### **Hazardous combustion products**

carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), hydrogen fluoride (HF)

### **5.3 Advice for firefighters**

Non-combustible.

Keep containers cool with water spray.

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 (EN 133)

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

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

#### **For non-emergency personnel**

Remove persons to safety.

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Ventilate affected area.

## **For emergency responders**

Wear breathing apparatus if exposed to vapours/dust/spray/gases.  
Self-contained breathing apparatus (EN 133).

## **6.2 Environmental precautions**

Keep away from drains, surface and ground water.  
Retain contaminated washing water and dispose of it.

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

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

Ventilate affected area.

### **Other information relating to spills and releases**

Ventilate affected area.

## **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**

Avoid contact with skin and eyes.  
Do not breathe vapour/spray.

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

Not required.

### **Specific notes/details**

Climate conditions for installation and use: The manufacturer's specification must be observed.

Period of use: Use until expiry date.

Storage: The national regulations for storage of the respective EU member state and the instructions of the manufacturer have to be regarded.

### **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.

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

#### **Flammability hazards**

None.

#### **Incompatible substances or mixtures**

Incompatible materials: see section 10.

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## Protect against external exposure, such as

heat, strong shocks

## Consideration of other advice

Keep away from food, drink and animal feedingstuffs.

## Ventilation requirements

Provision of sufficient ventilation.

## Specific designs for storage rooms or vessels

**Storage temperature** recommended storage temperature: -20 - 40 °C

## Packaging compatibilities

Only packagings which are approved (e.g. acc. to ADR) 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)

This information is not available.

#### Human health values

Relevant DNELs of components						
Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
1,1,1,2,2,4,5,5,5-nonafluoro-4-(trifluoromethyl)-3-pentanone	756-13-8	DNEL	83.4 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
1,1,1,2,2,4,5,5,5-nonafluoro-4-(trifluoromethyl)-3-pentanone	756-13-8	DNEL	11.8 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects

#### Environmental values

Relevant PNECs of components				
Name of substance	CAS No	Endpoint	Threshold level	Environmental compartment
1,1,1,2,2,4,5,5,5-nonafluoro-4-(trifluoromethyl)-3-pentanone	756-13-8	PNEC	6.78 µg/l	freshwater

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Relevant PNECs of components				
Name of substance	CAS No	Endpoint	Threshold level	Environmental compartment
1,1,1,2,2,4,5,5,5-nonafluoro-4-(trifluoromethyl)-3-pentanone	756-13-8	PNEC	0.678 µg/l	marine water
1,1,1,2,2,4,5,5,5-nonafluoro-4-(trifluoromethyl)-3-pentanone	756-13-8	PNEC	1 mg/l	sewage treatment plant (STP)
1,1,1,2,2,4,5,5,5-nonafluoro-4-(trifluoromethyl)-3-pentanone	756-13-8	PNEC	2.67 mg/kg	freshwater sediment
1,1,1,2,2,4,5,5,5-nonafluoro-4-(trifluoromethyl)-3-pentanone	756-13-8	PNEC	0.267 mg/kg	marine sediment
1,1,1,2,2,4,5,5,5-nonafluoro-4-(trifluoromethyl)-3-pentanone	756-13-8	PNEC	0.53 mg/kg	soil

## 8.2 Exposure controls

### Appropriate engineering controls

Use local and general ventilation.

### Individual protection measures (personal protective equipment)

Wear cold insulating gloves/face shield/eye protection. (EN166)

### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Self-contained breathing apparatus (EN 133).

### 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

<b>Physical state</b>	liquid (data apply to the technically active substance)
<b>Colour</b>	colourless (data apply to the technically active substance)
<b>Odour</b>	light (data apply to the technically active substance)
<b>Melting point/freezing point</b>	not determined
<b>Boiling point or initial boiling point and boiling range</b>	49 °C (data apply to the technically active substance)
<b>Flammability</b>	non-combustible

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<b>Lower and upper explosion limit</b>	not determined
<b>Flash point</b>	not determined
<b>Auto-ignition temperature</b>	not determined
<b>Decomposition temperature</b>	not relevant
<b>pH (value)</b>	not determined
<b>Kinematic viscosity</b>	not determined
<b>Dynamic viscosity</b>	1 mPa s at 20 °C (data apply to the technically active substance)
<b>Solubility(ies)</b>	
Water solubility	not miscible in any proportion
<b>Partition coefficient n-octanol/water (log value)</b>	not determined
<b>Vapour pressure</b>	not determined
<b>Density and/or relative density</b>	
Density	not determined
Relative vapour density	information on this property is not available
<b>Particle characteristics</b>	not relevant (liquid)
<b>9.2 Other information</b>	
<b>Information with regard to physical hazard classes</b>	hazard classes acc. to GHS (physical hazards): not relevant
<b>Other safety characteristics</b>	there is no additional information

## 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.

See below "Conditions to avoid".

### 10.3 Possibility of hazardous reactions

Danger of bursting container.

### 10.4 Conditions to avoid



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Keep away from heat.  
Take precautionary measures against static discharge.  
Protect from moisture.

## 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 hazard classes as defined in Regulation (EC) No 1272/2008

#### Classification procedure

If not otherwise specified the classification is based on:  
Ingredients of the mixture (additivity formula).

#### Classification according to GHS (1272/2008/EC, CLP)

#### Acute toxicity

Test data are not available for the complete mixture.

Acute toxicity of components							
Name of substance	CAS No	Exposure route	End-point	Value	Species	Method	Source
1,1,1,2,2,4,5,5,5-nonafluoro-4-(trifluoromethyl)-3-pentanone	756-13-8	oral	LD50	>2,000 mg/kg	rat	EC Directive 96/54/EC, Part B.1 tris OECD 423, 1996	ECHA
1,1,1,2,2,4,5,5,5-nonafluoro-4-(trifluoromethyl)-3-pentanone	756-13-8	dermal	LD50	>2,000 mg/kg	rat	EC Directive 92/69, B.3 OECD 402, 1987	ECHA

#### Skin corrosion/irritation

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

#### Serious eye damage/eye irritation

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

#### Respiratory or skin sensitisation

#### Skin sensitisation

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

## 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

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

## Reproductive toxicity

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

## 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

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

## Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

## 11.2 Information on other hazards

May displace oxygen and cause rapid suffocation.  
Contact with the product can cause burns and/or frostbite.

## Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity (acute)

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

#### Aquatic toxicity (acute) of components

Name of substance	CAS No	Endpoint	Exposure time	Value	Species	Method	Source
1,1,1,2,2,4,5,5,5	756-13-8	LC50	96 h	$>1,070 \text{ mg/l}$	fathead min-	OECD	ECHA

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Name of substance	CAS No	Endpoint	Exposure time	Value	Species	Method	Source
-nonafluoro-4-(trifluoromethyl)-3-pentanone					now (Pimephales promelas)	Guideline 203	
1,1,1,2,2,4,5,5,5-nonafluoro-4-(trifluoromethyl)-3-pentanone	756-13-8	EC50	48 h	>1,080 mg/l	daphnia magna	OECD Guideline 202	ECHA

### Aquatic toxicity (chronic)

Harmful to aquatic life with long lasting effects.

## 12.2 Persistence and degradability

### Biodegradation

Test data are not available for the complete mixture.

### Degradability of components

Name of substance	CAS No	Process	Degradation rate	Time	Method	Source
1,1,1,2,2,4,5,5,5-nonafluoro-4-(trifluoromethyl)-3-pentanone	756-13-8	carbon dioxide generation	1.8 – 3.4 %	28 d	OECD Guideline 301 B	ECHA

### Persistence

No data available.

## 12.3 Bioaccumulative potential

### Bioaccumulative potential of components

Name of substance	CAS No	BCF	Log KOW
1,1,1,2,2,4,5,5,5-nonafluoro-4-(trifluoromethyl)-3-pentanone	756-13-8	4.8	3.08 (30 °C)

## 12.4 Mobility in soil

No data available.

## 12.5 Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of  $\geq 0,1\%$ .

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## 12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

## 12.7 Other adverse effects

No data available.

### Remarks

Wassergefährdungsklasse, WGK (water hazard class): 1.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

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

The national regulations for disposal of the respective EU member state have to be regarded.

#### Sewage disposal-relevant information

Do not empty into drains.

#### Waste treatment of containers/packagings

Completely emptied packages can be recycled.

Handle contaminated packages in the same way as the substance itself.

### Remarks

Please consider the relevant national or regional provisions.

## SECTION 14: Transport information

**14.1 UN number or ID number** not required

Carriage in accordance with section:

2.2.1.1.1 b) ADR/RID

2.1.1.1.2 IMDG

1.1.1 Part 2 ICAO.

**14.2 UN proper shipping name** -

**14.3 Transport hazard class(es)** -

**14.4 Packing group** -

**14.5 Environmental hazards** -

**14.6 Special precautions for user** -

**14.7 Maritime transport in bulk according to IMO instruments** -

## SECTION 15: Regulatory information

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

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## Relevant provisions of the European Union (EU)

### Restrictions according to REACH, Annex XVII

Name	Name acc. to inventory	CAS No	Restriction
DET-AC III Slave / DET-AC III Master	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC	-	R3

#### Legend

- R3
1. Shall not be used in:
    - ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
    - tricks and jokes,
    - games for one or more participants, or any article intended to be used as such, even with ornamental aspects,
  2. Articles not complying with paragraph 1 shall not be placed on the market.
  3. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they:
    - can be used as fuel in decorative oil lamps for supply to the general public, and
    - present an aspiration hazard and are labelled with H304.
  4. Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN).
  5. Without prejudice to the implementation of other Union provisions relating to the classification, labelling and packaging of substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met:
    - (a) lamp oils, labelled with H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: "Keep lamps filled with this liquid out of the reach of children"; and, by 1 December 2010, "Just a sip of lamp oil – or even sucking the wick of lamps – may lead to life-threatening lung damage";
    - (b) grill lighter fluids, labelled with H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: 'Just a sip of grill lighter fluid may lead to life threatening lung damage';
    - (c) lamps oils and grill lighters, labelled with H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.;

### List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

None of the ingredients are listed.

### Seveso Directive

Not assigned.

### Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

None of the ingredients are listed.

### Regulation on the marketing and use of explosives precursors

None of the ingredients are listed.

### Regulation on drug precursors

None of the ingredients are listed.

### Regulation on substances that deplete the ozone layer (ODS)

None of the ingredients are listed.

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## Regulation concerning the export and import of hazardous chemicals (PIC)

None of the ingredients are listed.

## Regulation on persistent organic pollutants (POP)

None of the ingredients are listed.

## 15.2 Chemical Safety Assessment

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

## SECTION 16: Other information

### Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)
1.3	Details of the supplier of the safety data sheet: Minimax Technologies GmbH Industriestrasse 10/12 23840 Bad Oldesloe Germany  Telephone: +49 (0) 4531 - 803 0 e-mail: mv_rd_spezial@mx-vk.eu Website: www.minimax.de	Details of the supplier of the safety data sheet: Minimax Technologies GmbH Industriestrasse 10/12 23840 Bad Oldesloe Germany  Telephone: +49 (0) 4531 - 803 0 e-mail: mvpg_ts_gas@mx-vk.eu Website: www.minimax.de
3.2	Other: Non-spillable battery fitted. Airbug gas generator fitted.	Other: Non-spillable battery fitted. Airbag gas generator fitted.
7.1	Specific notes/details: Climate conditions for installation and use: The manufacturer's specification must be observed. Period of use: Use until expiry date. Storage: The national regulations for storage of the respective EU member state and the instructions of the manufacturer have to be regarded.	Specific notes/details: Climate conditions for installation and use: The manufacturer's specification must be observed. Period of use: Use until expiry date. Storage: The national regulations for storage of the respective EU member state and the instructions of the manufacturer have to be regarded.
11.1	-	Acute toxicity of components: change in the listing (table)
12.1	-	Aquatic toxicity (acute) of components: change in the listing (table)
12.2	-	Degradability of components: change in the listing (table)

### Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)

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Abbr.	Descriptions of used abbreviations
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)
Aquatic Chronic	Hazardous to the aquatic environment - chronic hazard
BCF	Bioconcentration factor
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
ED	Endocrine disruptor
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
IMDG	International Maritime Dangerous Goods Code
index No	The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008
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
log KOW	n-Octanol/water
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
SVHC	Substance of Very High Concern

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Abbr.	Descriptions of used abbreviations
vPvB	Very Persistent and very Bioaccumulative

## Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, Version 2023/707/EU.

Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN).

International Maritime Dangerous Goods Code (IMDG).

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

## Classification procedure

Physical and chemical properties.

Health hazards.

Environmental hazards.

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

## List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H412	Harmful to aquatic life with long lasting effects.

## 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.