

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

## Auslösestation

Version number: 1.0

First version: 2023-02-03

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

#### 1.1 Product identifier

<b>Trade name</b>	<u>Auslösestation</u>
<b>Registration number (REACH)</b>	not relevant (article)
<b>CAS number</b>	not relevant (article)

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

<b>Relevant identified uses</b>	Fire extinguishing agent
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#### 1.3 Details of the supplier of the safety data sheet

Minimax Fire Solutions International GmbH Industriestrasse 10/12 23840 Bad Oldesloe Germany	Telephone: +49 (0) 4531 - 803 0 e-Mail: HerrmannMa@minimax.de Website: www.minimax.de
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**e-mail (competent person)** sdb@csb-online.de

Please do not use this e-mail address to ask for the latest safety data sheet. For this purpose contact Minimax Fire Solutions International 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
2.5	gas under pressure	C	Press. Gas C	H280

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.  
Contains gas under pressure; may explode if heated.

# Auslösestation

## 2.2 Label elements

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

**Signal word** warning

**Pictograms**

**GHS04**



**Hazard statements**

**H280** Contains gas under pressure; may explode if heated.

**Precautionary statements**

**P410+P403** Protect from sunlight. Store in a well-ventilated place.

## 2.3 Other hazards

**Results of PBT and vPvB assessment**

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**Endocrine disrupting properties**

None of the ingredients are listed.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not relevant (article).

### 3.2 Mixtures

Not relevant (article).

Hazardous ingredients				
Name of substance	Identifier	Classification acc. to GHS	Pictograms	Notes
nitrogen	CAS No 7727-37-9  EC No 231-783-9	Press. Gas C / H280		-

For full text of H-phrases: see SECTION 16

# Auslösestation

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General notes

Self-protection of the first aider.

Remove victim out of the danger area.

In case of unconsciousness place person in the recovery position. Never give anything by mouth.

In case of accident or if you feel unwell, seek medical advice immediately (show the label or safety data sheet where possible).

#### Following inhalation

Provide fresh air.

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

#### Following skin contact

Not relevant.

#### Following eye contact

Not relevant.

#### Following ingestion

Get medical advice/attention if you feel unwell.

#### Notes for the doctor

None.

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

Dizziness.

Unconsciousness.

Choking and suffocation risks.

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

In the case of bluish discoloration (lips, earlobes, finger nails) give oxygen as soon as possible.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Co-ordinate firefighting measures to the fire surroundings

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

Hazardous decomposition products: Section 10.

Contains gas under pressure; may explode if heated.

# Auslösestation

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## 5.3 Advice for firefighters

Non-combustible.

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

Collect contaminated firefighting water separately.

Fight fire with normal precautions from a reasonable distance.

Asphyxiant gas, may displace oxygen and cause rapid suffocation.

### Special protective equipment for firefighters

Use suitable breathing apparatus

## 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.

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.

Self-contained breathing apparatus.

### 6.2 Environmental precautions

Not required.

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

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

Not relevant.

#### Other information relating to spills and releases

Ventilate affected area.

### 6.4 Reference to other sections

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

Do not breathe gas.

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

Use local and general ventilation.

#### Specific notes/details

None.

# Auslösestation

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## Measures to protect the environment

Not relevant.

## Advice on general occupational hygiene

Do not eat, drink and smoke in work areas.

Wash hands after use.

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

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

None.

Incompatible materials: see section 10.

### Protect against external exposure, such as

heat, strong shocks, sunlight

### Consideration of other advice

These information are not available.

### Ventilation requirements

Provision of sufficient ventilation.

### Specific designs for storage rooms or vessels

Store in a dry place.

Keep container in a well-ventilated place.

### 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

### 8.2 Exposure controls

#### Appropriate engineering controls

Use local and general ventilation.

#### Individual protection measures (personal protective equipment)

##### Eye/face protection

Not required.

# Auslösestation

## Hand protection

Not required.

## Respiratory protection

In case of inadequate ventilation wear respiratory protection.  
Self-contained breathing apparatus.

## Environmental exposure controls

Not relevant.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Physical state</b>	gaseous (compressed) (data apply to the main component)
<b>Colour</b>	colourless (data apply to the main component)
<b>Odour</b>	odourless (data apply to the main component)
<b>Melting point/freezing point</b>	not determined
<b>Boiling point or initial boiling point and boiling range</b>	not determined
<b>Flammability</b>	non-combustible
<b>Lower and upper explosion limit</b>	non-combustible
<b>Flash point</b>	non-combustible
<b>Auto-ignition temperature</b>	non-combustible
<b>Decomposition temperature</b>	not relevant
<b>pH (value)</b>	not applicable
<b>Viscosity</b>	not relevant (gaseous)
<b>Solubility(ies)</b>	
Water solubility	poorly soluble
<b>Partition coefficient n-octanol/water (log value)</b>	not relevant (inorganic)
<b>Vapour pressure</b>	not determined
<b>Density and/or relative density</b>	
Density	not determined

# Auslösestation

Relative vapour density not determined

**Particle characteristics** not relevant  
(gaseous)

## 9.2 Other information

**Information with regard to physical hazard classes** there is no additional information

**Other safety characteristics** there is no additional information

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

This material is not reactive under normal ambient conditions.

If heated:

gas under pressure, danger of bursting container

### 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

No known hazardous reactions.

### 10.4 Conditions to avoid

Keep away from heat.

Protect from sunlight.

Do not subject to grinding/shock/friction.

### 10.5 Incompatible materials

silane

### 10.6 Hazardous decomposition products

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

## 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).

# Auslösestation

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

### **Acute toxicity**

Test data are not available for the complete mixture.

### **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**

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.

#### **Symptoms related to the physical, chemical and toxicological characteristics**

If inhaled:

acute respiratory distress, vertigo, dizziness, unconsciousness

# Auslösestation

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## 11.2 Information on other hazards

Asphyxiant gas, may displace oxygen and cause rapid suffocation.

### Endocrine disrupting properties

None of the ingredients are listed.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity (acute)

Test data are not available for the complete mixture.

#### Aquatic toxicity (chronic)

Test data are not available for the complete mixture.

### 12.2 Persistence and degradability

#### Biodegradation

No data available.

#### Persistence

No data available.

### 12.3 Bioaccumulative potential

Test data are not available for the complete mixture.

#### n-octanol/water (log KOW)

not relevant  
(inorganic)

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

### 12.6 Endocrine disrupting properties

None of the ingredients are listed.

### 12.7 Other adverse effects

Data are not available.

#### Remarks

Wassergefährdungsklasse, WGK (water hazard class): nwg

# Auslösestation

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Refer to manufacturer/supplier for information on recovery/recycling.

#### Sewage disposal-relevant information

Not relevant (article).

#### Waste treatment of containers/packagings

Completely emptied packages can be recycled.

Refer to manufacturer/supplier for information on recovery/recycling.

#### Remarks

Please consider the relevant national or regional provisions.

## SECTION 14: Transport information

### 14.1 UN number or ID number

ADR/RID/ADN UN3538

IMDG-Code UN3538

ICAO-TI UN3538

### 14.2 UN proper shipping name

ADR/RID/ADN ARTICLES CONTAINING NON-FLAMMABLE, NON TOXIC GAS, N.O.S.

IMDG-Code ARTICLES CONTAINING NON-FLAMMABLE, NON TOXIC GAS, N.O.S.

ICAO-TI Articles containing non-flammable, non toxic gas, n.o.s.

Technical name (hazardous ingredients) NITROGEN

### 14.3 Transport hazard class(es)

ADR/RID/ADN 2 (2.2)

IMDG-Code 2.2

ICAO-TI 2.2 (see2;0.6)

### 14.4 Packing group

-

### 14.5 Environmental hazards

-

### 14.6 Special precautions for user

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

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# Auslösestation

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## 14.8 Information for each of the UN Model Regulations

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

#### Additional information

Particulars in the transport document	UN3538, ARTICLES CONTAINING NON-FLAMMABLE, NON TOXIC GAS, N.O.S., (NITROGEN), 2.2, (E) UN3538, ARTICLES CONTAINING NON-FLAMMABLE, NON TOXIC GAS, N.O.S., (NITROGEN), 2, (E)
Classification code	6A
Danger label(s)	2.2
	
Special provisions (SP)	274, 396
Excepted quantities (EQ)	E0
Limited quantities (LQ)	0
Transport category (TC)	4
Tunnel restriction code (TRC)	E

### European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (ADN) Additional information

Number of cones/blue lights	0
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### International Maritime Dangerous Goods Code (IMDG) Additional information

Marine pollutant	-
Danger label(s)	2.2
	
Special provisions (SP)	274, 391, 396
Excepted quantities (EQ)	E0
Limited quantities (LQ)	0
EmS	F-C, <u>S-V</u>
Stowage category	A

### International Civil Aviation Organization (ICAO-IATA/DGR) Additional information

Special provisions (SP)	A2, A225
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# Auslösestation

## SECTION 15: Regulatory information

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

#### Relevant provisions of the European Union (EU)

#### Restrictions according to REACH, Annex XVII

None of the ingredients are listed.

#### 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.

#### 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 substance by the supplier.

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

## SECTION 16: Other information

### 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)
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)

## Auslösestation

Abbr.	Descriptions of used abbreviations
ADR/RID/ADN	Agreements concerning the International Carriage of Dangerous Goods by Road/Rail/Inland Waterways (ADR/RID/ADN)
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)
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)
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
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)
ICAO	International Civil Aviation Organization
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air
IMDG	International Maritime Dangerous Goods Code
IMDG-Code	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
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
Press. Gas	Gas under pressure
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
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.  
Regulation (EC) No. 1907/2006 (REACH).

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).

# Auslösestation

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## 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
H280	Contains gas under pressure; may explode if heated.

## 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.

This safety data sheet is for information only and does not comply with the official language requirements of article 31 (5) of REACH.