

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

1.1. Product identifier

Product form	: Substance
Trade name	: Cryotech NAAC
Chemical name	: Sodium acetate
IUPAC name	: Sodium acetate
EC/EINECS/ELINS	: 204-823-8
CAS	: 127-09-3
REACH registration No	: 01-2119485123-42
Formula	: C ₂ H ₃ O ₂ Na

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

1.2.1. Relevant identified uses

Main use category	: Industrial use, Professional use
Use of the substance/mixture	: De-icing product

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Provion Industries N.V.
Zone 2 - G. Gilliotstraat 60
BE- B-2620 Hemiksem
Belgium
T +32 3 870 88 20 - F +32 3 877 23 33
info@provion.com - www.provion.com

1.4. Emergency telephone number

Emergency number : +32 3 870 88 20 (08:00-16:30 GMT+1)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [EU-GHS/CLP]

No labelling required

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Name : Cryotech NAAC

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CAS : 127-09-3
EC/EINECS/ELINS : 204-823-8

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [EU-GHS/CLP]
Sodium acetate, anhydrous	CAS: 127-09-3 EC/EINECS/ELINS: 204-823-8	97	Not classified

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Administer oxygen if breathing is difficult. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact : Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Get medical advice/attention if you feel unwell.

First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes.

First-aid measures after ingestion : If swallowed, rinse mouth with water (only if the person is conscious). Get immediate medical advice and attention.

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

Symptoms/effects after inhalation : Cough.

Symptoms/effects after skin contact : mild irritant.

Symptoms/effects after eye contact : mild irritant.

Symptoms/effects after ingestion : May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Dry powder. Carbon dioxide (CO₂). Water spray. Alcohol-resistant foam.

Unsuitable extinguishing media : Strong water jet.

5.2. Special hazards arising from the substance or mixture

Reactivity in case of fire : On burning: release of corrosive gases/vapours (acetic acid vapours, carbon monoxide - carbon dioxide).

5.3. Advice for firefighters

Firefighting instructions : Use water stream to cool containers.

Protection during firefighting : Wear fire resistant or flame retardant clothing. Self-contained breathing apparatus.

Other information : Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

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6.1.2. For emergency responders

Protective equipment : Wear recommended personal protective equipment.

6.2. Environmental precautions

Do not discharge into drains or the environment.

6.3. Methods and material for containment and cleaning up

For containment : Collect leaking liquid in sealable containers.
Methods for cleaning up : Sweep spilled substance into containers; if appropriate, moisten first to prevent dusting.
After cleaning, flush traces away with water.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not breathe dust. Avoid dust formation. Provide local exhaust or general room ventilation.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : In the case of the formation of dust. Take precautionary measures against static discharges.
Use only explosion-proof equipment.
Storage conditions : Store tightly closed in a dry and cool place.
Information on mixed storage : Keep away from oxidizing agents. (strong) acids.
Storage area : Keep container in a well-ventilated place.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

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:

Provide for sufficient ventilation and punctiform suction at critical points.

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8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection:

Safety glasses with side shields. (EN 166)

8.2.2.2. Skin protection

Skin and body protection:

Avoid contact with skin, eyes and clothing. Dustproof clothing

Hand protection:

Wear rubber gloves. (EN 374)

8.2.2.3. Respiratory protection

Respiratory protection:

Breathing equipment. P1

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: white.
Molecular mass	: 82,04 g/mol
Odour	: odourless.
Odour threshold	: No data available
Melting point	: 324 °C
Freezing point	: Not available
Boiling point	: No data available
Flammability	: Not available
Explosive properties	: No data available.
Oxidising properties	: No data available.
Explosive limits	: No data available
Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: 607 °C
Decomposition temperature	: Not available
pH	: Not applicable
pH solution	: 8 – 10,5 (15 %)
Viscosity, kinematic	: Not applicable
Solubility	: Water: 1,25 g/ml @ 25 °C
Partition coefficient n-octanol/water (Log Kow)	: Not available
Partition coefficient n-octanol/water (Log Pow)	: -3,72 (calculated value)
Vapour pressure	: No data available
Vapour pressure at 50°C	: Not available
Density	: 1,528 g/cm³
Relative density	: Not available
Relative vapour density at 20°C	: Not applicable
Particle size	: Not available
Particle size distribution	: ≤ 464,28 µm (D50)
Particle shape	: Not available
Particle aspect ratio	: Not available
Particle aggregation state	: Not available
Particle agglomeration state	: Not available
Particle specific surface area	: Not available

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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

On burning: release of corrosive gases/vapours (acetic acid vapours, carbon monoxide - carbon dioxide).

10.2. Chemical stability

Hygroscopic.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Avoid generation of dust. In the case of the formation of dust. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Carbon oxides (CO, CO₂). Acetic acid.

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Sodium acetate, anhydrous (127-09-3)	
LD50 oral rat	3530 mg/kg
LD50 dermal rat	> 10000 mg/kg

Skin corrosion/irritation : Not classified
pH: Not applicable
Serious eye damage/irritation : Not classified
pH: Not applicable
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

11.2. Information on other hazards

No additional information available

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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : highly soluble.
Hazardous to the aquatic environment, short-term (acute) : Not classified
Hazardous to the aquatic environment, long-term (chronic) : Not classified

Cryotech NAAC (127-09-3)

LC50 - Fish [1]	3750 mg/l (96h/Pimephales promelas)
LC50 - Other aquatic organisms [1]	3500 mg/l (48h/daphnia)

12.2. Persistence and degradability

Cryotech NAAC (127-09-3)

Biochemical oxygen demand (BOD)	0,39 g O ₂ /g substance
Chemical oxygen demand (COD)	0,87 g O ₂ /g substance

Sodium acetate, anhydrous (127-09-3)

Persistence and degradability	Readily biodegradable.
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12.3. Bioaccumulative potential

Cryotech NAAC (127-09-3)

Partition coefficient n-octanol/water (Log Pow)	-3,72 (calculated value)
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Sodium acetate, anhydrous (127-09-3)

Partition coefficient n-octanol/water (Log Pow)	Not applicable
Bioaccumulative potential	Not expected considering the low log Pow value.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Cryotech NAAC (127-09-3)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.
Sewage disposal recommendations : Sewage treatment plant.
Product/Packaging disposal recommendations : Collect all waste in suitable and labelled containers and dispose according to local legislation.

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SECTION 14: Transport information

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

14.1. UN number or ID number

UN-No. (ADR)	: Not applicable
UN-No. (IMDG)	: Not applicable
UN-No. (IATA)	: Not applicable
UN-No. (ADN)	: Not applicable
UN-No. (RID)	: Not applicable

14.2. UN proper shipping name

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

14.3. Transport hazard class(es)

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

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

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

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

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

14.4. Packing group

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

14.5. Environmental hazards

Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

14.6. Special precautions for user

Overland transport

No data available

Transport by sea

No data available

Air transport

No data available

Inland waterway transport

No data available

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Rail transport

No data available

14.7. Maritime transport in bulk according to IMO instruments

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

REACH Annex XVII (Restriction List)

Not listed on REACH Annex XVII

REACH Annex XIV (Authorisation List)

Not listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Not listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Not listed on the PIC list (Regulation EU 649/2012)

POP Regulation (Persistent Organic Pollutants)

Not listed on the POP list (Regulation EU 2019/1021)

Ozone Regulation (1005/2009)

Not listed on the Ozone Depletion list (Regulation EU 1005/2009)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

Germany

Water hazard class (WGK)	: WGK 1, Slightly hazardous to water (Classification according to AwSV; ID No. 367).
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
SZW-lijst van reprotoxische stoffen – Borstvoeding	: The substance is not listed
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid	: The substance is not listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling	: The substance is not listed

Switzerland

Storage class (LK)	: NG - Non-hazardous
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15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

No additional information available

Safety Data Sheet (SDS), EU

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Disclaimer:

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