Cryotech NAAC

Sodium acetate

Safety Data Sheet according to Regulation (EC) No. 453/2010

Date of issue: 23/06/2011 Revision date: 02/04/2015 Supersedes: 07/11/2014

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	:	C2H3O2Na

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

Title	Use descriptors
De-icing product	SU0, SU3, SU8, SU10, PC4, PROC1, PROC3, PROC7, PROC8a, PROC11, ERC1, ERC2

Full text of use descriptors: see section 16

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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Zone 2 - G. Gilliotstraat 60
B-2620 Hemiksem - Belgium
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info@proviron.com - www.proviron.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

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

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

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

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

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Sodium acetate, anhydrous	(CAS) 127-09-3 (EC/EINECS/ELINS) 204-823-8	97	Not classified

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

Full text of R- and H-phrases: see section 16

3.2. Mixture

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. In case of breathing difficulties administer oxygen. In all cases of doubt, or when symptoms persist, seek medical attention.

First-aid measures after skin contact : Immediately remove contaminated clothing or footwear. After contact with skin, wash immediately with plenty of water and soap. In all cases of doubt, or when symptoms persist, seek medical advice.

First-aid measures after eye contact : Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum).

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

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

Symptoms/injuries after inhalation : Cough.

Symptoms/injuries after skin contact : mild irritant.

Symptoms/injuries after eye contact : mild irritant.

Symptoms/injuries 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 spray/stream to protect personnel and to cool endangered containers.

Protection during firefighting : Wear fire/flame resistant/retardant clothing. In case of fire: Wear self-contained breathing apparatus.

Other information : Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : See protective measures under point 7 and 8.

6.1.2. For emergency responders

Protective equipment : See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not empty into drains or the aquatic environment.

6.3. Methods and material for containment and cleaning up

For containment : Collect in closed containers for disposal.

Methods for cleaning up	:	Sweep spilled substance into containers; if appropriate, moisten first to prevent dusting. After cleaning, flush away traces 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 generation of dust. Provide for sufficient ventilation and punctiform suction at critical points.

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 in a cool dry place.
Prohibitions on mixed storage	:	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

No additional information available

8.2. Exposure controls

Appropriate engineering controls	:	Provide for sufficient ventilation and punctiform suction at critical points.
Hand protection	:	Rubber gloves. (EN 374).
Eye protection	:	Tightly sealed safety glasses. (EN 166).
Skin and body protection	:	Avoid contact with skin, eye and clothing. In case of dust production: dustproof clothing.
Respiratory protection	:	Filter respirator (full mask or mouth-piece) with filter: P1.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Molecular mass	:	82,04 g/mol
Colour	:	white.
Odour	:	odourless.
Odour threshold	:	No data available
pH	:	Not applicable
pH solution	:	8-10,5 (15 %)
Relative evaporation rate (butylacetate=1)	:	No data available
Melting point	:	324 °C
Freezing point	:	No data available
Boiling point	:	> 400 °C Thermal decomposition
Flash point	:	Not applicable
Auto-ignition temperature	:	607 °C
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	No data available
Vapour pressure	:	No data available
Relative vapour density at 20 °C	:	No data available
Relative density	:	No data available
Density	:	1,528 g/cm³
Bulk density	:	0,8-0,86 kg/l
Solubility	:	Water: 34 g/100ml @ 23 °C
Log Pow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available

Explosive properties : No data available.
Oxidising properties : No data available.
Explosive limits : No data available

9.2. Other information

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 (COx). Acetic acid.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : 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
Specific target organ toxicity (single exposure) : Not classified
Specific target organ toxicity (repeated exposure) : Not classified
Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : highly soluble.

Cryotech NAAC (127-09-3)	
LC50 fishes 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 O2/g substance
Chemical oxygen demand (COD)	0,87 g O2/g substance

Sodium acetate, anhydrous (127-09-3)	
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

Cryotech NAAC (127-09-3)	
Log Pow	No data available

Sodium acetate, anhydrous (127-09-3)	
Log Pow	Not applicable
Bioaccumulative potential	No indication of bio-accumulation potential.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Remove according to the regulations.

Sewage disposal recommendations : Ensure all waste water is collected and treated via a waste water treatment plant.

Waste disposal recommendations : Collect in closed containers for disposal.

SECTION 14: Transport information

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

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

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

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Carriage prohibited (ADN) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the 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

Cryotech NAAC is not on the REACH Candidate List

Contains no substance on the REACH candidate list

Cryotech NAAC is not on the REACH Annex XIV List

Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany

Water hazard class (WGK) : 1 - low hazard to waters

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of R-, H- and EUH-phrases:

ERC1	Manufacture of substances
ERC2	Formulation of preparations
PC4	Anti-Freeze and De-icing products
PROC1	Use in closed process, no likelihood of exposure
PROC11	Non industrial spraying
PROC3	Use in closed batch process (synthesis or formulation)
PROC7	Industrial spraying
PROC8a	Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non dedicated facilities
SU0	Other
SU10	Formulation [mixing] of preparations and/or re-packaging (excluding alloys)
SU3	Industrial uses: Uses of substances as such or in preparations* at industrial sites
SU8	Manufacture of bulk, large scale chemicals (including petroleum products)

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