

Sodium acetate trihydrate

32318-1KG

Version 1.4

Revision Date 17.12.2022

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

1.1. Product identifier

Product name : Sodium acetate trihydrate

SDS-number : 000000013223

Type of product : Substance

Remarks : Document according to Art. 32 of Regulation (EC) 1907/2006.
In accordance to the Article 14 (4) of the REACH Regulation (EC) No 1907/2006, exposure estimation and risk characterisation is not required.

Chemical name : Sodium acetate-3-hydrate

CAS-No. : 6131-90-4

REACH Registration Number : no data available

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

Use of the Substance/Mixture : Laboratory chemicals

Uses advised against : none

1.3. Details of the supplier of the safety data sheet

Company	: Honeywell International Inc. 115 Tabor Road 07950-2546 Morris Plains USA	Honeywell International, Inc. 115 Tabor Road Morris Plains, NJ 07950-2546 USA
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Telephone :
For further information, please contact: : SafetyDataSheet@Honeywell.com

1.4. Emergency telephone number

Sodium acetate trihydrate

32318-1KG

Version 1.4

Revision Date 17.12.2022

Emergency telephone : +1-703-527-3887 (ChemTrec-Transport)
number : +1-303-389-1414 (Medical)
Country based Poison : see chapter 15.1
Control Center

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Not a hazardous substance or mixture.

2.2. Label elements

REGULATION (EC) No 1272/2008

Not a hazardous substance or mixture.

2.3. Other hazards

No information available. Results of PBT and vPvB assessment, see chapter 12.5.

SECTION 3: Composition/information on ingredients

3.1. Substance

Chemical name	CAS-No. Index-No. REACH Registration Number EC-No.	Classification 1272/2008	Concentration	Remarks
Sodium acetate-3-hydrate	6131-90-4 204-823-8		100 %	N.C.*

N.C.* - Non-hazardous substance - for information only

3.2. Mixture

Sodium acetate trihydrate

32318-1KG

Version 1.4

Revision Date 17.12.2022

Not applicable

Occupational Exposure Limit(s), if available, are listed in Section 8.
For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice:

First aider needs to protect himself.

Inhalation:

Remove to fresh air. If breathing is difficult, give oxygen. Use oxygen as required, provided a qualified operator is present. Call a physician.

Skin contact:

After contact with skin, wash immediately with plenty of water. If symptoms persist, call a physician.

Eye contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician if irritation develops or persists.

Ingestion:

Rinse mouth with water. Call a physician immediately.

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

No data available

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

Treat symptomatically.

See Section 11 for more detailed information on health effects and symptoms.

Sodium acetate trihydrate

32318-1KG

Version 1.4

Revision Date 17.12.2022

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water spray
Foam
Carbon dioxide (CO₂)
Dry powder

Extinguishing media which shall not be used for safety reasons:

High volume water jet

5.2. Special hazards arising from the substance or mixture

In case of fire hazardous decomposition products may be produced such as:

Carbon monoxide
Carbon dioxide (CO₂)
Sodium oxides

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment. Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid dust formation. Avoid breathing dust. Avoid contact with skin, eyes and clothing.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Discharge into the environment must be avoided. Do not flush into surface water or sanitary sewer system. Do not allow run-off from fire fighting to enter drains or water courses.

6.3. Methods and materials for containment and cleaning up

Sodium acetate trihydrate

32318-1KG

Version 1.4

Revision Date 17.12.2022

Use mechanical handling equipment.
Pick for disposal in tightly closed containers

6.4. Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling:

Do not breathe dust. Wear suitable protective clothing and gloves.

Advice on protection against fire and explosion:

Normal measures for preventive fire protection.

Hygiene measures:

Take off all contaminated clothing immediately. Remove and wash contaminated clothing before re-use. Keep working clothes separately. Wash hands before breaks and at the end of workday. When using do not eat or drink.

7.2. Conditions for safe storage, including any incompatibilities

Further information on storage conditions:

Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

Advice on common storage:

Keep away from oxidizing agents and strongly acid or alkaline materials.

7.3. Specific end use(s)

no additional data available

Sodium acetate trihydrate

32318-1KG

Version 1.4

Revision Date 17.12.2022

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

DNEL/ PNEC-Values

Component	End-use/impact	Exposure duration	Value	Exposure routes	Remarks
Sodium acetate-3-hydrate	Workers / Long-term systemic effects		1057,9 mg/m ³	Inhalation	
Sodium acetate-3-hydrate	Workers / Acute systemic effects		6347,36 mg/m ³	Inhalation	
Sodium acetate-3-hydrate	Workers / Long-term systemic effects		12mg/kg bw/d	Skin contact	
Sodium acetate-3-hydrate	Workers / Acute systemic effects		72mg/kg bw/d	Skin contact	
Sodium acetate-3-hydrate	Consumers / Long-term systemic effects		521,73 mg/m ³	Inhalation	
Sodium acetate-3-hydrate	Consumers / Acute systemic effects		3103,45 mg/m ³	Inhalation	
Sodium acetate-3-hydrate	Consumers / Long-term systemic effects		6mg/kg bw/d	Skin contact	
Sodium acetate-3-hydrate	Consumers / Acute		36mg/kg bw/d	Skin contact	

Sodium acetate trihydrate

32318-1KG

Version 1.4

Revision Date 17.12.2022

	systemic effects				
Sodium acetate-3-hydrate	Consumers / Long-term systemic effects		6mg/kg bw/d	Ingestion	
Sodium acetate-3-hydrate	Consumers / Acute systemic effects		36mg/kg bw/d	Ingestion	

Component	Environmental compartment / Value	Remarks
Sodium acetate-3-hydrate	Fresh water: 0,1 mg/l	Assessment factor: 1000
Sodium acetate-3-hydrate	Marine water: 0,01 mg/l	Assessment factor: 10000
Sodium acetate-3-hydrate	Sewage treatment plant: 0,72 mg/l	Assessment factor: 10
Sodium acetate-3-hydrate	Fresh water sediment: 0,0004 mg/kg dw	
Sodium acetate-3-hydrate	Marine sediment: 0,00004 mg/kg dw	
Sodium acetate-3-hydrate	Soil: 0,0004 mg/kg dw	

8.2. Exposure controls

Occupational exposure controls

Do not breathe dust.

The Personal Protective Equipment must be in accordance with EN standards:respirator EN 136, 140, 149; safety glasses EN 166; protective suit: EN 340, 463, 468, 943-1, 943-2; gloves EN 374, 511; safety shoes EN-ISO 20345.

Engineering measures

Use with local exhaust ventilation.

Personal protective equipment

Sodium acetate trihydrate

32318-1KG

Version 1.4

Revision Date 17.12.2022

Respiratory protection:

In the case of dust or aerosol formation use respirator with an approved filter.

Hand protection:

Glove material: Natural Latex

Break through time: > 480 min

Glove thickness: 0,6 mm

Lapren®706

Gloves must be inspected prior to use.

Replace when worn.

Remarks:Supplementary note: The specifications are based on information and tests from similar substances by analogy.

Due to varying conditions (e.g.temperature or other strains) it must be considered that the usage of a chemical protective glove in practice may be much shorter than the permeation time determined in accordance with EN 374.

Since actual conditions of practical use often deviate from standardised conditions according EN 374 the glove manufacturer recommends to use the chemical protective glove in practice not longer than 50% of the recommended permeation time.

Manufacturer's directions for use should be observed because of great diversity of types .

Suitable gloves tested according EN 374 are supplied e.g. from KCL GmbH, D-36124 Eichenzell, Vertrieb@kcl.de

Eye protection:

Tightly fitting safety goggles

Skin and body protection:

Protective suit

Environmental exposure controls

Handle in accordance with local environmental regulations and good industrial practices.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : solid

Colour : colourless

Odour : weak

Sodium acetate trihydrate

32318-1KG

Version 1.4

Revision Date 17.12.2022

molecular weight	:	136,08 g/mol
Melting point/range	:	58 °C
Flammability	:	This product is not easily inflammable.
Upper explosion limit	:	Not applicable
Lower explosion limit	:	Not applicable
Flash point	:	Not applicable
Auto-ignition temperature	:	No data available
Decomposition temperature	:	390 °C Loss of water of crystallization on heating.
pH	:	7,0 - 9,0 at 20 °C
Viscosity, kinematic	:	Not applicable
Water solubility	:	1.100 g/l at 20 °C
Partition coefficient: n-octanol/water	:	No data available
Vapour pressure	:	No data available
Density	:	ca. 1,45 g/cm ³ at 20 °C
Bulk density	:	ca. 500 kg/m ³
Relative vapour density	:	No data available

9.2 Other Information

Oxidizing properties : The substance or mixture is not classified as oxidizing.

Sodium acetate trihydrate

32318-1KG

Version 1.4

Revision Date 17.12.2022

Evaporation rate : No data available

Viscosity, dynamic : Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under recommended storage conditions.

10.2. Chemical stability

>390 °C
Loss of water of crystallization on heating.

10.3. Possibility of hazardous reactions

Hazardous polymerisation does not occur.

10.4. Conditions to avoid

Protect from heat/overheating.

10.5. Incompatible materials

Strong acids and oxidizing agents

10.6. Hazardous decomposition products

In case of fire hazardous decomposition products may be produced such as:
Carbon monoxide
Carbon dioxide (CO₂)
Sodium oxides

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity:
LD50
Species: Rat

Sodium acetate trihydrate

32318-1KG

Version 1.4

Revision Date 17.12.2022

Value: 3.250 mg/kg
Test substance: REACH dossier "read-across"

Acute dermal toxicity:

LD50
Species: Rabbit
Value: > 20.000 mg/kg
Method: OECD Test Guideline 402
Test substance: REACH dossier "read-across"

Acute inhalation toxicity:

LC50
Species: Rat
Value: > 5,6 mg/l
Exposure time: 4 h
Method: OECD Test Guideline 403
Test substance: REACH dossier "read-across"

Skin irritation:

Species: Rabbit
Result: slight irritation
Method: OECD Test Guideline 404
Test substance: REACH dossier "read-across"
According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

Eye irritation:

Species: Rabbit
Result: slight irritation
Method: OECD Test Guideline 405
Test substance: REACH dossier "read-across"
According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

Respiratory or skin sensitisation:

No data available

Carcinogenicity:

Note: No data available

Test Method: unscheduled DNA synthesis assay
Species: Mouse
Test substance: anhydrous substance

Sodium acetate trihydrate

32318-1KG

Version 1.4

Revision Date 17.12.2022

Result: negative

Reproductive toxicity:

Remarks: Not classified due to data which are conclusive although insufficient for classification.

Aspiration hazard:

No data available

11.2. Information on other hazards

Endocrine disrupting properties

No data available

Other information:

Toxicological data applies only to the water free substance.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity to fish:

LC50

semi-static test

Species: Brachydanio rerio (zebrafish)

Value: > 100 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

Test substance: anhydrous substance

Toxicity to aquatic plants:

EC50

Growth rate

Species: Skeletonema costatum (marine diatom)

Value: > 1.000 mg/l

Exposure time: 72 h

Test substance: REACH dossier "read-across"

Toxicity to Microorganisms:

EC50

Cell multiplication inhibition test

Species: Pseudomonas putida

Sodium acetate trihydrate

32318-1KG

Version 1.4

Revision Date 17.12.2022

Value: 7,2 mg/l
Exposure time: 16 h
Test substance: anhydrous substance

Toxicity to aquatic invertebrates:

EC50
static test
Species: Daphnia magna (Water flea)
Value: > 919 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202
Test substance: REACH dossier "read-across"

12.2. Persistence and degradability

Biodegradability:
Biodegradation: 98 %
Result: Readily biodegradable
Method: Directive 67/548/EEC Annex V, C.4.A.

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

This substance is not considered to be persistent, bioaccumulating and toxic (PBT).
This substance is not considered to be very persistent and very bioaccumulating (vPvB).

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

No data available

Sodium acetate trihydrate

32318-1KG

Version 1.4

Revision Date 17.12.2022

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product:

Dispose according to legal requirements.

Packaging:

Legal requirements are to be considered in regard of reuse or disposal of used packaging materials

Further information:

Provisions relating to waste:

EC Directive 2006/12/EC; 2008/98/EEC

Regulation No. 1013/2006

For personal protection see section 8.

SECTION 14: Transport information

14.1 UN number

ADR/RID:Not dangerous goods IMDG:Not dangerous goods IATA:Not dangerous goods

14.2 UN proper shipping name

ADR/RID:Not dangerous goods

IMDG:Not dangerous goods

IATA:Not dangerous goods

14.3 Transport hazard class(es)

14.4 Packaging group

14.5 Environmental hazards

ADR/RID:no

Marine pollutant: no

14.6 Special precautions for user

No data available

14.7 Maritime transport in bulk according to IMO instruments

Sodium acetate trihydrate

32318-1KG

Version 1.4

Revision Date 17.12.2022

No data available

SECTION 15: Regulatory information

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

Basis	Value	Remarks
Directive 2012/18/EC		Not applicable
Substances of very high concern (SVHC)		This product does not contain substances of very high concern according to Regulation (EC) No Article 57 above the respective regulatory 1907/2006 (REACH), concentration limit of $\geq 0.1\%$ (w/w).

Poison Control Center

Country	Phone Number
Austria	+4314064343
Belgium	070 245245
Bulgaria	(+35929154233
Croatia	(+3851)23-48-342
Cyprus	+357 2240 5611
Czech Republic	+420224919293; +420224915402
Denmark	82121212
Estonia	16662; (+372)6269390
Finland	9471977
France	+33(0)145425959
Greece	+30 210 779 3777
Hungary	(+36-80)201-199
Iceland	5432222
Ireland	+353(1)8092166

Country	Phone Number
Liechtenstein	+41 442515151
Lithuania	+370532362052
Luxembourg	070245245; (+352)80002-5500
Malta	+356 2395 2000
Netherlands	030-2748888
Norway	22591300
Poland	+48 42 25 38 400
Portugal	800250250
Romania	+40 21 318 3606
Slovakia (NTIC)	+421 2 54 774 166
Slovenia	+386 1 400 6051
Spain	+34915620420
Sweden	112 (begär Giftinformation); +46104566786
Switzerland	145

Sodium acetate trihydrate

32318-1KG

Version 1.4

Revision Date 17.12.2022

Italy	0382 24444	United Kingdom	(+44) 844 892 0111
Germany	Berlin : 030/19240		
	Bonn : 0228/19240		
	Erfurt : 0361/730730		
	Freiburg : 0761/19240		
	Göttingen : 0551/19240		
	Homburg : 06841/19240		
	Mainz : 06131/19240		
	Munich : 089/19240		
Latvia	+37167042473		

Other inventory information

US. Toxic Substances Control Act
On TSCA Inventory

Australia. Inventory of Industrial Chemicals (AIIC), as amended
On the inventory, or in compliance with the inventory

Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL)
All components of this product are on the Canadian DSL

Japan. Kashin-Hou Law List
On the inventory, or in compliance with the inventory

Korea. Existing Chemicals Inventory (KECI)
On the inventory, or in compliance with the inventory

Philippines. Inventory of Chemicals and Chemical Substances (PICCS)
On the inventory, or in compliance with the inventory

China. Inventory of Existing Chemical Substances (IECSC)
On the inventory, or in compliance with the inventory

New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand
On the inventory, or in compliance with the inventory

Taiwan Chemical Substance Inventory (TCSI)

Sodium acetate trihydrate

32318-1KG

Version 1.4

Revision Date 17.12.2022

On the inventory, or in compliance with the inventory

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Further information

All directives and regulations refer to amended versions.
Vertical lines in the left hand margin indicate a relevant amendment from the previous version.

Abbreviations:

EC European Community

CAS Chemical Abstracts Service

DNEL Derived no effect level

PNEC Predicted no effect level

vPvB Very persistent and very bioaccumulative substance

PBT Persistent, bioaccumulative und toxic substance

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user.

This information should not constitute a guarantee for any specific product properties.
