

SAFETY DATA SHEET

1. Identification of Product

Product Identifier

Product Name: **1-Octanazanium acetate**
Product Code: XS102108
CAS Number: 2016-40-2

Relevant Identified Uses of Substance or Mixture and Uses Advised Against
Research and Development use

Supplier Details of the Safety Data Sheet

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2. Hazards Identification

Classification of the Substance or Mixture

Skin irritation (category 2)
Eye irritation (category 2)
STOT single exposure (category 3)

Label Elements



Signal Word:

Warning

Hazard Statements

H315 – Causes skin irritation.
H319 – Causes serious eye irritation.
H335 – May cause respiratory irritation.

Precautionary Statements

P260 – Do not breathe dust/fumes/gas/mist/vapours/spray.
P280 – Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P312 – IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302 + P352 – IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do, continue rinsing.

Other Hazards

No information available

3. Composition/Information on Ingredients

Substances

1-Octanazanium acetate
CAS number: 2016-40-2

Mixtures

Concentration	Product Name	CAS number:	EC/EINECS:
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4. First Aid Measures

Description of First Aid Measures

<i>Skin Contact</i>	IF ON SKIN: Wash with plenty of soap and water. Get medical advice/attention.
<i>Eye Contact</i>	Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
<i>Ingestion</i>	IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. Rinse mouth with water.
<i>Inhalation</i>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention.

Most Important Symptoms and Effects

No data.

Indication of any Immediate Medical Attention

No additional measures required.

5. Fire Fighting Measures

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Extinguishing Media

Suitable Carbon dioxide.
Dry chemical powder or foam.
Sand.
Water spray.

Unsuitable Water jet.

Special Hazards Arising from the Substance or mixture

In combustion emits carbon oxides, nitrogen oxides and hydrogen chloride.

Advice for Fire Fighters

Wear self contained breathing apparatus.
Wear protective clothing to prevent contact with skin and eyes.

6. Accidental Released Measures

Personal Precautions

Do not attempt to take action without suitable protective clothing – see section 8 of SDS.

Do not create dust.

Evacuate the area immediately.

Environmental Precautions

Do not discharge into drains or rivers.

Methods & Materials

Mix with sand or vermiculite.

Transfer to a closable, labelled salvage container for disposal by an appropriate method.

7. Handling and Storage

Personal Precautions

Safe Handling Ensure there is sufficient ventilation of the area.

Avoid breathing vapors, mist or gas.

Protection against explosions and fires Do not eat, drink or smoke when using this product.

Remove/take off immediately all contaminated clothing.

Take off contaminated clothing and wash before reuse.

Wash hands thoroughly after handling.

Conditions for Safe Storage, Including any Incompatibilities

Managing storage risks Store in a cool, well ventilated area.

Keep container tightly closed.

Storage controls

Do not store in conditions of high (or highly fluctuating) temperature.

Maintaining integrity

Keep container tightly closed.

Other advice

Store in a well ventilated place.

Specific End Uses

The end use(s) have not been fully determined. The substance is supplied for Research and Development purposes by professionals only.

8. Exposure Controls/Personal Protection

Control Parameters

No data available.

Exposure Controls

General protective and hygiene measures

Wear protective gloves/protective clothing/eye protection/face protection.

Wash hands during breaks and at the end of handling the material.

Immediately remove any contaminated clothing.

Engineering measures

Use only outdoors or in a well ventilated area.

Eye/face protection

Safety glasses with side shields.

Hand protection

Protective gloves.

Respiratory protection

Do not breathe dust/fumes/gas/vapours/spray.

Use breathing protection with high concentration.

Skin protection

Handle with gloves.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practice.

Wash and dry hands.

Protective clothing.

Other personal protection advice No data.

9. Physical and Chemical Properties

Physical and Chemical Properties

Molecular formula: C₈ H₁₉ N .C₂ H₄ O₂

Molecular weight: 189.298

Information on basic physical and chemical properties

a) Appearance: Solid

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b) Odour:	No data.
c) Odour threshold:	No data.
d) pH:	No data.
e) Melting point/freezing point:	38-40°C
f) Initial boiling point and boiling range:	No data.
g) Flash point:	No data.
h) Evaporation rate:	No data.
i) Flammability (solid, gas):	No data.
j) Upper/lower flammability or explosive limits:	No data.
k) Vapour pressure:	No data.
l) Vapour density:	No data.
m) Relative density:	No data.
n) Water solubility:	No data.
o) Partition coefficient: n-octanol/ water:	No data.
p) Auto-ignition temperature:	No data.
q) Decomposition temperature:	No data.
r) Viscosity:	No data.
s) Explosive properties:	No data.
t) Oxidizing properties:	No data.
<u>Other Information</u>	
No additional information.	
10. Stability and Reactivity	
<u>Reactivity</u>	
No unusual reactivity.	
<u>Stability</u>	
Stable under normal conditions.	
<u>Possibility of Hazardous Reactions</u>	
No hazardous reactions known.	
<u>Conditions to avoid</u>	
Do not expose material to any source of ignition.	
Avoid moist atmosphere.	
<u>Incompatible Materials</u>	
Strong oxidising agents.	
<u>Hazardous Decomposition Products</u>	
In combustion emits carbon oxides, nitrogen oxides and hydrogen chloride.	
11. Toxicology Information	
<u>Information</u>	
<i>Acute toxicity:</i>	No data.
<i>Skin corrosion/irritation:</i>	No data.
<i>Serious eye damage:</i>	No data.
<i>Respiratory or skin sensitisation:</i>	No data.
<i>Germ cell mutagenicity:</i>	Not known.
<i>Carcinogenicity:</i>	ARC: No component of this product present at levels greater than or equal to 0.1 % is identified as probable, possible or confirmed human carcinogen by IARC.
<i>Reproductive toxicity:</i>	Not known.
<i>Aspiration hazard:</i>	Not known.
<u>Additional</u>	
To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.	
12. Ecological Information	
<u>Toxicity</u>	
Not known.	
<u>Persistence and Degradability</u>	
Not known.	
<u>Bio-Accumulative Potential</u>	
Not known.	
<u>Mobility in Soil</u>	
Not known.	
<u>Results of PBT & PvB Assessment</u>	
Not known.	
<u>Other Adverse Effects</u>	
Do not allow product to reach ground water, water bodies or sewage system, even in small quantities.	

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13. Exposure Controls/Personal Protection

Waste Treatment Methods

Disposal operations Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Disposal of packaging Disposal must be made according to official regulations.

14. Transport Information

Air (ICAO)

- | | |
|----------------------------------|-----------------|
| 1. UN Number: | Not regulated. |
| 2. UN Proper shipping name: | Not applicable. |
| 3. Transport hazard class(es): | Not applicable. |
| 4. Packing group: | Not applicable. |
| 5. Environmental hazards: | No. |
| 6. Special precautions for user: | Not applicable. |
| 7. Transport in bulk: | Not applicable. |

Road (ADR)

- | | |
|----------------------------------|-----------------|
| 1. UN Number: | Not regulated. |
| 2. UN Proper shipping name: | Not applicable. |
| 3. Transport hazard class(es): | Not applicable. |
| 4. Packing group: | Not applicable. |
| 5. Environmental hazards: | No. |
| 6. Special precautions for user: | Not applicable. |
| 7. Transport in bulk: | Not applicable. |

Sea (IMDG)

- | | |
|----------------------------------|-----------------------|
| 1. UN Number: | Not regulated. |
| 2. UN Proper shipping name: | Not applicable. |
| 3. Transport hazard class(es): | Not applicable. |
| 4. Packing group: | Not applicable. |
| 5. Environmental hazards: | Marine pollutant: no. |
| 6. Special precautions for user: | Not applicable. |
| 7. Transport in bulk: | Not applicable. |

15. Safety, Health and Environmental Regulations

Safety, Health and Environmental Regulations:

Product is not subject to any additional regulations.

Safety Assessment

No chemical Safety Assessment

16. Other Information

ADR: Accord Européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement International concernant le transport des marchandises dangereuses par chemin de fer (Regulations concerning the International transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the International Air Transport Association

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the ICAO

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service

Associated Risk Phrases According to European Directives 67/548/EEC

Disclaimer

The product is listed for research and development purposes only and not for human or animal use. As such, in most cases, the toxicological, ecological and physicochemical properties have not been fully determined and the product should be treated with respect and always handled under suitable conditions by appropriately qualified personnel. The responsible party shall use this datasheet only in conjunction with other sources of information gathered by them, and should make an independent judgement of suitability, to ensure proper use and protect the health and safety of employees. This information is furnished without warranty and any use of the product not in conformance with this safety data sheet, or in combination with any other product or process is the responsibility of the user.

Certified by Dan Pooley

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7th April 2022

