

EU Safety Data SheetCyclo(-Arg-Ala-Asp-D-Phe-Cys)
trifluoroacetate salt

Date of issue / Reference

09.11.2010 AW

Replaces version of

Date of printing

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Company

Bachem AG, Hauptstrasse 144,
CH-4416 Bubendorf, Tel. +41 61 9352333**1 Commercial product name and supplier**1.1 Commercial product name /
designation**Cyclo(-Arg-Ala-Asp-D-Phe-Cys)
trifluoroacetate salt**

Synonym: c(RADfC)

1.2 Application / use

1.3 Producer

Bachem AG

1.4 Supplier

Bachem AG, Hauptstrasse 144,
CH-4416 Bubendorf, Tel. +41 61 9352333

1.5 TOX emergency number

+41 44 251 51 51
(Swiss Toxicological Information Centre, CH-Zurich)

1.6 Product No.

new: 4070810

old: **H-7232****2 Composition**

2.1 Chemical characterisation

Empirical formula: $C_{25}H_{36}N_8O_7S$
Molecular mass: 592.68 g/mol
CAS No.: 1055991-02-0 (net)
EINECS No.: Not available.

2.2 Hazardous components

None.

2.3 Further information

Supplied as trifluoroacetate salt.

3 Hazards identification

May be harmful by inhalation, ingestion, or skin absorption.

4 First aid measures

4.1 Eye contact

Hold eyes open and flush with plenty of water for at least 15
minutes. Consult a physician if irritation develops.

4.2 Skin contact

Wash contact areas with soap and plenty of water. Consult a
physician if irritation arises.

4.3 Ingestion

Wash out mouth with copious amounts of water. Consult a
physician.

4.4 Inhalation

If respiratory irritation is experienced, call a physician.

4.5 Further information

None.

5 Fire-fighting measures

5.1 Suitable extinguishing media

Water fog, carbon dioxide, foam, dry chemicals.

5.2 Extinguishing media to avoid

No restrictions.

5.3 Further information

None.

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6 **Accidental release measures** Dispose of according to local and national regulations.

7 Handling and storage

- 7.1 Handling Safe handling and storage practice should be observed.
- 7.2 Industrial hygiene Avoid eye and skin contact.
Avoid breathing dust.
Wash your hands thoroughly before breaks and after work.
- 7.3 Storage Keep frozen ($\leq -15\text{ }^{\circ}\text{C}$).
Keep containers tightly closed.
- 7.4 Place of storage -
- 7.5 Fire- and explosion protection Not flammable.
-

8 Exposure controls / personal protection

- 8.1 Technical measures No specific requirements.
- 8.2 Control of threshold limits None established.
- 8.3 Personal protective equipment
- 8.3.1 Respiratory protection Use an approved dust respirator.
- 8.3.2 Hand protection Use protective gloves.
- 8.3.3 Eye protection Use safety goggles.
- 8.3.4 Other Use protective clothing.
-

9 Physical and chemical properties

- 9.1 Appearance Lyophilizate.
- 9.2 Color White.
- 9.3 Odour Low.
- 9.4 Change of physical state Test method:
Melting range Not available.
- 9.5 Density Not applicable.
- 9.6 Vapour pressure Not applicable.
- 9.7 Viscosity Not applicable.
- 9.8 Solubility in water 1 mg/ml
- 9.9 pH Not applicable.
- 9.10 Flash point Not applicable.
- 9.11 Ignition temperature Not applicable.
- 9.12 Explosion limits Lower: vol.%
Upper: vol.%
Not flammable.
- 9.13 Further information None.
-

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10 Stability and reactivity

- 10.1 Thermal decomposition Stable under recommended storage conditions.
- 10.2 Hazardous decomposition products None.
- 10.3 Hazardous reactions None.
- 10.4 Further information None.

11 Toxicological information

- 11.1 Acute toxicity Toxicity unknown.
- 11.2 Subacute / chronic toxicity Toxicity unknown.
- 11.3 Further information May be harmful by inhalation, ingestion, or skin absorption. To the best of our knowledge, the toxicological properties have not been thoroughly investigated.

12 Ecological information

No data available.

13 Disposal considerations

Dispose of according to local and national regulations.

- 13.1 EC waste key None.
- 13.2 Swiss waste code None.
- 13.3 Origin -

14 Transport information

- 14.1 Transport at land: GGVE / GGVS Class Cipher
RID / ADR Class - Cipher -
Warning label UN-No. - Kemler No.
Packing group
Overland statement
- 14.2 Transport at sea: GGVSee Class - Cipher -
ADNR Class Cipher Cat.
UN-No. -
IMDG-code page
EMS
MFAG
Sea transport statement
- 14.3 Air transport: ICAO / IATA-DGR -
UN-No. -
PSN
Subsidiary risk -
Labels -
Packing group -
Passenger aircraft Packing Instruction max.
Cargo aircraft only Packing Instruction max.
- 14.4 Further information None.

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15 Regulatory information

15.1	UN-No.	-
15.2	Swiss regulations	BAG T No.
	Swiss toxicity class	-
15.3	EC-No.	Not available.
15.4	Hazard symbols	-
15.5	Hazard designation	None.
15.6	Risk phrases	R: - -
15.7	Safety phrases	S: 22-24/25-36 22 Do not breathe dust. 24/25 Avoid contact with skin and eyes. 36 Wear suitable protective clothing.
15.8	MAK value	No Occupational Exposure Limits have been established.
15.9	BVD classification (CH)	Not known.
15.10	VbF (D)	Not flammable.
15.11	Further information	None.

16 Other information None.

The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications have not the meaning of guarantees on properties.

Alle vorstehenden Angaben entsprechen dem heutigen Stand unserer Kenntnisse und Erfahrungen. Das Sicherheitsdatenblatt dient der Beschreibung der Produkte im Hinblick auf Sicherheitserfordernisse. Die Angaben haben nicht die Bedeutung von Eigenschaftszusicherungen.