

SAFETY DATA SHEET

1. Identification

GHS Product identifier: **ROCO-001ZN**

Other means of identification
Common name(s): Zinc trifluoromethanesulfonate

Synonym(s): Zn Triflate, Trifluoromethanesulfonic acid zinc salt

SDS number: ROCO-ZH009

Recommended use and restriction on use recommended use: Laboratory chemicals, Synthesis of substances.

Manufacturer/Importer/Supplier/Distributor Information

Manufacturer

Company Name: RoCo
Address: 1816 Parkway View Drive
Pittsburgh, PA 15205
Telephone: Product Information: 1-724-315-9170
SDS Information Email: info@roco.global

Emergency telephone number:
1-724-315-9170 (RoCo)

2. Hazard(s) identification

Hazard Classification

Classification of the Substance or mixture

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS).

GHS Label elements, including precautionary statements

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS).

Hazards not otherwise classified (HNOC) or not covered by GHS –

none

3. Composition/information on ingredients

Substances

Synonyms	Trifluoromethanesulfonic acid zinc salt Zinc triflate
Formula	C ₂ F ₆ O ₆ S ₂ Zn
Molecular weight	363.53 g/mol
CAS-No.	54010-75-2
EC-No.	258-922-6

No components need to be disclosed according to the applicable regulations.

4. First-aid measures

Ingestion:	IF SWALLOWED: immediately make victim drink water (two glasses at most). Consult a physician.
Inhalation:	IF INHALED: Remove person to fresh air
Skin Contact:	IF ON SKIN: In case of skin contact Take off immediately all contaminated clothing. Rinse skin with water/ shower.
Eye contact:	IF IN EYES: rinse out with plenty of water. Immediately call-in ophthalmologist. Remove contact lenses.

Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indication of any immediate medical attention and special treatment needed
No data available

5. Fire-fighting measures

General Fire Hazards:	
Extinguishing media:	Suitable extinguishing media Water, Foam, Dry Powder, or carbon dioxide (CO2)
Specific hazards arising from the chemical:	Carbon oxides, Sulfur oxide, Hydrogen fluoride, Zinc/zinc oxides Combustible. Development of hazardous combustion gases or vapors possible in the event of fire.
Advice for Firefighter	In the event of fire, wear self-contained breathing apparatus.
Further information	Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert For personal protection see section 8
Environmental precautions	Do not let product enter drains.
Methods and materials for containment and cleaning up	Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts

Reference to other sections

for disposal see section 13.

7. Handling and storage

Precautions for safe handling:

Observe label precautions. Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage, including any incompatibilities:

Keep container tightly closed in a dry and well-ventilated place. Hydrolyzes readily.
Storage class (TRGS 510): 11: Combustible Solids

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. Exposure controls/personal protection

Control Parameters

Ingredients with work-Place control parameters

Contains no substances with occupational exposure limit values.

Exposure Controls

Appropriate engineering Controls

Change contaminated clothing. Wash hands after working with substance.

Eye/face protection:

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Tightly fitting safety goggles

Skin Protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact Material:

Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

Splash contact Material:

Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min

data source:

Test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the EC approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection:	Protective Clothing
Other:	Wear appropriate clothing to prevent and possibility of skin contact. Wear work clothes with long sleeves and pants. Safety footwear with good traction is recommended to help prevent slipping. Static Dissipative (SD) rated footwear is also recommended.
Respiratory Protection:	required when dusts are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.
Control of environmental Exposure:	Do not let product enter drains.

9. Physical and chemical properties

Appearance

Physical state:	solid
Color:	white
Odor:	No data available
Odor threshold:	No data available
pH:	No data available
Melting point/freezing point:	Melting point/range: ≥ 300 °C (≥ 572 °F) - lit.
Initial boiling point and boiling	No data available
Flash Point:	No data available
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower Flammability or explosive limits	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Density:	No data available
Relative density:	No data available
Water Solubility	No data available
Partition coefficient (n-octanol/water):	No data available
Auto-ignition temperature:	No data available
Viscosity:	No data available
Explosive properties:	No data available

Oxidizing properties: No data available

Other safety information: No data available

10. Stability and reactivity

Reactivity: The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

Chemical Stability: Material is stable under normal condition.

Possibility of Hazardous: No information available

Conditions to Avoid: Avoid moisture No information available

Products: No data available

Incompatible materials: Strong oxidizing agents, Strong acids

Hazardous decomposition products: In the event of fire: see section 5

11. Toxicological information

Information on likely routes of exposure

Acute toxicity: No data available

Ingestion: No data available

Inhalation: No data available

Dermal: No data available

Skin corrosion/irritation: No data available

Serious eye damage/eye irritation: No data available

Respiratory of skin sensitization No data available.

Carcinogenicity

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Reproductive toxicity No data available.

Specific Target Organ Toxicity –

Single Exposure No data available.

Specific Target Organ Toxicity –

Repeated Exposure	No data available.
Aspiration Hazard:	No data available.
Additional Information:	Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., Cough, Shortness of breath, Headache, Nausea, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. Ecological information

Toxicity:	No data available.
Persistence and Degradability:	No data available
Bio-accumulative Potential:	No data available.
Mobility in Soil:	No data available.
Results of PBT and vPvB assessment:	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Other adverse Effects:	No data available.

13. Disposal considerations

Waste treatment methods	Product Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.
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14. Transport information

DOT	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods
Further information	Not classified as dangerous in the meaning of transport regulations.

15. Regulatory information

- SARA 302 Extremely Hazardous Substance**
This material does not contain any components with a section 302 EHS TPQ.
- SARA 311/312 Hazards**
Acute Health Hazard
- SARA 313 (TRI Reporting)**
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
- US. Pennsylvania RTK-Hazardous Substances**

No ingredient regulated by Right-to-Know Law present.

16. Other information, including date of preparation of last revision
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Issue Date:	12/21/2022
Revision Information:	12/21/2022: New SDS
Version #:	1.0

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