

SAFETY DATA SHEET

1. Identification**GHS Product identifier:** TzVmO2FS**Other means of identification****Common name(s):** 1-(2-(2-methoxyethoxy)ethyl)-3-methyl-4-(prop-1-en-2-yl)-1H-1,2,3-triazol-3-ium bis((trifluoromethyl)sulfonyl)amide
Synonym(s): C13H20F6N4O6S2**SDS number:** ROCO-Tz-2**CAS Number:****Recommended use and restriction on use****Recommended use:** For R&D use only**Restrictions on use:** All uses other than the identified.**Manufacturer/Importer/Supplier/Distributor Information****Manufacturer****Company Name:** RoCo
Address: 1816 Parkway View Drive Pittsburgh,
PA 15205
Telephone: Product Information:
SDS Information Email: 1-724-315-9170 info@roco.global**Emergency telephone number:**

1-724-315-9170 (RoCo)

General Comments

This material has not been fully tested.

2. Hazard(s) identification**GHS Classification** Not a hazardous substance or mixture**GHS-Labeling** Not a hazardous substance or mixture**OSHA Hazard(s)**

Not Classified (Substance not yet fully tested)

Label Elements**Hazard Symbol:** No symbol**Signal Word:** Warning**Hazard Statement:** Do not get in eyes, on skin, or on clothing Wear protective gloves/
protective clothing/ eye protection/ face protection**Precautionary Statements****Storage:** Store in accordance with local/regional/national regulation.

Disposal: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Refer to manufacturer/supplier for information on recovery/recycling.

Other hazards which do not result in GHS classification:

Toxicological, ecotoxicological, physical and chemical properties may not have been fully investigated. Hazard data above is estimated based on available information and similar known compounds.

3. Composition/information on ingredients

Composition Comments: Chemical Formula: $C_{13}H_{20}F_6N_4O_6S_2$

Molar mass: 506.44 g/mol

Purity: 95% or higher

Additional Information: Concentrate

Toxicological, ecotoxicological, physical chemical properties may not have fully investigated. Hazard data above is estimated based on best available information.

4. First-aid measures

Ingestion: IF SWALLOWED: Immediately rinse mouth and provide fresh air Do NOT induce vomiting. Get medical advice/attention.

Inhalation: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention.

Skin Contact: IF ON SKIN: Wash with plenty of water/soap. If skin irritation occurs: Get medical advice/attention.

Eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

5. Fire-fighting measures

General Fire Hazards:

Extinguishing media Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

Special hazards arising from the substance or mixture

Carbon oxides, Nitrogen oxides (NOx), Hydrogen chloride gas

Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

Further information

No data available

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Avoid dust formation. Avoid breathing vapors, mist or gas. For personal protection see section 8.

Methods and material for containment and cleaning up:

Sweep up and shovel. Keep in suitable, closed containers for disposal.

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. Store under nitrogen. Handle under nitrogen, protect from moisture. Hygroscopic Storage class (TRGS 510): 13: Non Combustible Solids

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

No data available

Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment

Eye/face protection. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Avoid skin contact Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Body Protection

Lab coat

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or

type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure Do not let product enter drains.

Individual protection measures, such as personal protective equipment

General information:	Personal protective equipment (PPE) should not be considered a long-term solution to exposure control. Employer programs to properly select, fit, maintain, and train employees to use equipment must accompany PPE. Consult a competent industrial hygiene resource, the PPA manufacturer’s recommendation, and/or applicable regulations to determine hazard potential and ensure adequate protection.
Eye/face protection:	safety glasses
Hand Protection:	Wear gloves to protect against thermal burns. Nitrile gloves are recommended.
Other:	Wear appropriate clothing to prevent and possibility of skin contact. Wear work clothes with long sleeves and pants.
Respiratory Protection:	Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Hygiene measures:	Ensure that eyewash stations and safety showers are near work locations.

9. Physical and chemical properties
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Appearance

Physical state:	solid (or liquid)
Color:	Yellow, Clear
Odor:	odorless
Odor threshold:	No data available
pH:	Not applicable
Melting point/freezing point:	35°C (95 °F) (estimated)
Initial boiling point and boiling range:	Not applicable
Flash Point:	Not applicable
Evaporation rate:	Not applicable
Flammability (solid, gas):	Not flammable
Upper/lower limit on flammability or explosive limits	

Flammability limit – upper (%):	Not applicable
Flammability limit – lower (%):	Not applicable
Vapor pressure:	Not applicable
Vapor density:	Not applicable
Density:	No data available
Relative density:	No data available
Solubility(ies)	
Solubility in water:	partially miscible.
Solubility (other):	Soluble in most organic solvents.
Auto-ignition temperature:	No data available
Viscosity:	Not applicable

10. Stability and reactivity

Reactivity:	Polymerization can occur.
Chemical Stability:	Stable under recommended storage conditions.
Possibility of Hazardous Reactions:	Hazardous polymerization: not likely to occur
Conditions to Avoid:	Avoid exposing to heat and contact with strong oxidizing substances and open flames.
Hazardous Decomposition Products:	See section 5 in case of fire.

11. Toxicological information

Information on likely routes of exposure

Ingestion:	Ingestion of this product is not a likely route of exposure.
Inhalation:	Inhalation of this product is not a likely route to exposure.
Skin Contact:	No data available
Eye Contact:	No data available

Symptoms related to the physical, chemical, and toxicological characteristics

Inhalation:	No data available
Skin irritation	No data available
Eye irritation	No data available

Specific target organ systemic toxicity - single exposure

No data available

Specific target organ systemic toxicity - repeated exposure

No data available

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral product: Not classified for acute toxicity based on available data.

Dermal product: Not classified for acute toxicity based on available data.

Inhalation product: Not classified for acute toxicity based on available data.

Repeated dose toxicity

Product: No data available.

Skin corrosion/irritation

Product: No data available.

Serious eye damage/eye irritation

Product: No data available.

Respiratory of skin sensitization

Product: No data available.

Carcinogenicity

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

Germ Cell Mutagenicity

In vitro

Product: No data available.

In vivo

Product: No data available.

Reproductive toxicity

Product: No data available.

Aspiration Hazard

Product: No data available.

Other effects: No data available

Further data: Handle in accordance with good industrial hygiene and safety practice.

12. Ecological information

General information: The ecotoxicological properties of this material have not been investigated

Ecotoxicity:

Acute hazard to the aquatic environment:

Fish

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Toxicity to aquatic plants

Product: No data available.

Chronic hazard to the aquatic environment:

Fish

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Toxicity to aquatic plants

Product: No data available.

Persistence and Degradability:

Acute hazard to the aquatic environment:

Biodegradation

Product: No data available.

BOD/COD Ratio

Product: No data available.

Toxicity to aquatic plants

Product: No data available.

Bioaccumulative Potential:

Bioconcentration Factor (BCF)

Product: No data available.

Partition Coefficient n-octanol/water (low Kow)

Product: No data available.

Toxicity to aquatic plants

Product: No data available.

Mobility in Soil: No data available.

Other adverse Effects: No data available.

13. Disposal considerations

Disposal instructions:	Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated Packaging:	Check local, federal and provincial environmental regulations prior to disposal.

14. Transport information

Land transport (DOT)	Not dangerous goods
Air transport (IATA)	Not dangerous goods
Sea transport (IMDG)	Not dangerous goods

15. Regulatory information

US Federal Regulation

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D))

None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

CERCLA Hazardous Substances List (40 CFR 302.4):

None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Combustible dust

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

None present or none present in regulated quantities.

SARA 311/312 Hazardous Chemical

None present or none present in regulated quantities.

SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112@ Accidental Release Prevention (40 CFR 68.130)

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

No ingredient requiring a warning under CA Prop 65.

US. New Jersey Worker and Community Right-to-Know Act

No ingredient regulated by NJ Right-to Know Law Present.

US. Pennsylvania RTK-Hazardous Substances

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

Inventory status

Canada DSL Inventory List:

No components of this product are not on the Domestic Substances List (DSL). It may be used in Canada under the provisions of CEPA in limited quantities solely for research and development purposes. For further information, contact Liquid Ion Solutions' Product Safety group.

US TSCA Inventory:

No components of this product are not on the TSCA Chemical Inventory. The product is intended to be used exclusively for research and development by technically qualified individuals under section 5(h)(3) of the United States Toxic Substances Control Act (TSCA). For further information, contact Liquid Ion Solutions' (DBA Roco)

California Prop 65 Components

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

16. Other information, including date of preparation of last revision
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Issue Date:

12/4/2020

Revision Information:

13/11/2023: updated logo, phone numbers

Version #:

1.1

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