

## SAFETY DATA SHEET

**1. Identification**

**GHS Product identifier:** TzPhC8I

**Other means of identification**  
**Common name(s):** 3-methyl-1-octyl-4-phenyl-1H-1,2,3-triazol-3-ium iodide  
**Synonym(s):** C17H26IN3

**SDS number:** ROCO-TzPhC8I-1

**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 Global  
Address: 1816 Parkway View Drive  
Pittsburgh, PA 15205  
Telephone: Product Information: 1-412-564-3289  
SDS Information Email: [info@roco.global](mailto:info@roco.global)

**Emergency telephone number:**  
1-412-564-3289 (Roco Global)

**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:  $C_{17}H_{26}IN_3$

Molar mass: 399.32 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**

**Appearance**

- Physical state:** solid (or liquid)
- Color:** Yellow, Clear
- Odor:** odorless
- Odor threshold:** No data available
- pH:** Not applicable
- Melting point/freezing point:** Waxy solid at room temperature
- 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**

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

## 10. Stability and reactivity

<b>Reactivity:</b>	Non-reactive under normal conditions.
<b>Chemical Stability:</b>	Stable under recommended storage conditions.
<b>Possibility of Hazardous Reactions:</b>	Hazardous polymerization: not likely to occur
<b>Conditions to Avoid:</b>	Avoid exposing to heat and contact with strong oxidizing substances and open flames.
<b>Hazardous Decomposition Products:</b>	See section 5 in case of fire.

## 11. Toxicological information

### Information on likely routes of exposure

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

### Symptoms related to the physical, chemical, and toxicological characteristics

<b>Inhalation:</b>	No data available
<b>Skin irritation</b>	No data available
<b>Eye irritation</b>	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

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

### 14. Transport information

<b>Land transport (DOT)</b>	Not dangerous goods
<b>Air transport (IATA)</b>	Not dangerous goods
<b>Sea transport (IMDG)</b>	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.

<b>16. Other information, including date of preparation of last revision</b>
--

**Issue Date:** 12/19/2020

**Revision Information:** 12/19/2020: New SDS

**Version #:** 1.0

**Disclaimer:** ALTHOUGH THE INFORMATION CONTAINED IN THIS DOCUMENT IS PRESENTED IN GOOD FAITH, BASED ON AVAILABLE INFORMATION BELIEVED TO BE RELIABLE AT THE TIME OF PREPERATION OF THIS DOCUMENT. ROCO MAKES NO WARRENTIES OR REPRESENTATIONS WITH RESPECT TO THE INFORMATION OR THE PRODUCT/MATERIALS DESCRIBED HEREIN, AND EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES AND CONDITIONS (INCLUDING ALL WARRANTIED AND CONDITIONS OF MURCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE). NO FREEDOM FROM INFRINGEMENT OF ANY PATENT OWNED BY ROCO OR OTHERS IS TO BE INFERRED. THIS INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE. PLEASE CONTACT ROCO FOR THE MOST CURRENT VERSION OF THIS SDS. ROCO DOES NOT ASSUME RESPONSIBILITY FOR SDS OBTAINED FROM THIRD PARTY SOURCES. UNLESS SPECIFICALLY AGREED OTHERWISE, ROCO DOES NOT TAKE RESPONSIBILITY FOR USE, TRANSPORTATION, STORAGE, HANDLING OR DISPOSAL OF THE PRODUCT/MATERIALS DESCRIBED HEREIN.