

# OTTO CHEMIE PVT LTD

An ISO 9001 : 2015 & GMP Certified Company  
101, Aarkay Ruby Industrial Estate (1B), Opp Shree Narayan Industrial Estate,  
Chinchpada, Vasai East, Waliv, Maharashtra 401208. Tel : + 91 98200 41841  
Email : [info@ottokemi.com](mailto:info@ottokemi.com) Web : [www.ottokemi.com](http://www.ottokemi.com)

Creation Date: 11-05-2025

Revision Date: 17-10-2030

## MATERIAL SAFETY DATA SHEET (MSDS)

### SECTION 1: Product identifiers

Product name: Terbium(III) iodide, puriss, 99.99%  
Product Code: T 1155  
CAS NO: 13813-40-6

1.2. Relevant identified uses of the substance or mixture and uses advised against  
Use : Industrial. For professional use only.

1.3. Details of the supplier of the safety data sheet

Company identification  
OTTO CHEMIE PVT LTD  
101, Aarkay Ruby Industrial Estate(1B), Opp Shree Narayan Industrial Estate,  
Chinchpada, Vasai East, Waliv, Maharashtra 401208.  
Email [info@ottokemi.com](mailto:info@ottokemi.com)

1.4. Emergency telephone number

Phone no. : + 91 22 2207 0099 (9:00am - 6:00 pm)

### SECTION 2: Composition and Information on Ingredients

Composition:

Name	CAS	% by Weight
TERBIUM OXIDE AR	13813-40-6	99 %

### SECTION 3: Hazards Identification

Classification of the substance or mixture

Classification of the substance according to Regulation (EC) No 1272/2008:

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Other hazards : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### SECTION 4: First Aid Measures

Description of first aid measures

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

Indication of any immediate medical attention and special treatment needed

No data available

### SECTION 5: Fire and Explosion Data

Extinguishing media

Suitable extinguishing media

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

Special hazards arising from the substance or mixture

Terbium oxides

Advice for firefighters

Wear self contained breathing apparatus for fire-fighting if necessary.

Further information

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No data available.

## SECTION 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures  
Avoid dust formation. Avoid breathing vapours, mist or gas.  
Environmental precautions  
No special environmental precautions required.  
Methods and materials for containment and cleaning up  
Sweep up and shovel. Keep in suitable, closed containers for disposal.

## SECTION 7: Handling and Storage

Precautions for safe handling  
Provide appropriate exhaust ventilation at places where dust is formed.  
Conditions for safe storage, including any incompatibilities  
Store in cool place. Keep container tightly closed in a dry and well-ventilated place.  
Hygroscopic.

Storage class (TRGS 510): Non Combustible Solids

## Section 8: Exposure Controls/Personal Protection

Control parameters

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).

## SECTION 8: Exposure Controls/Personal Protection

(Continued)

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 with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace

Respiratory protection

Respiratory protection is not required. Where protection from nuisance level (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: No special environmental precautions required.

## SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

a) Appearance Form	: Dark brown powder
b) Odour	: No data available.
c) Odour threshold	: No data available.
d) pH	: No data available.
e) Melting point/range	: -No data available.
f) Initial boiling point and boiling range	: No data available..
g) Autoignition temperature	: No data available.
h) Flammability (solid, gas)	: No data available.
i) Upper/lower flammability or explosive limits	: No data available.
j) Flash point [°C]	: No data available.
k) Evaporation rate	: No data available.
l) Vapour pressure	: No data available
m) Vapour density	: No data available.
n) Relative density,	: 7.3 g/cm <sup>3</sup> at 25 °C
o) Solubility in water	: No data available.

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p)Viscosity	: No data available.
q)Explosive properties	: No data available.
r)Oxidising properties	: No data available.
s)Decomposition temperature	: No data available.
t)Autoignition temperature	: No data available.
u)Molecular Weight	: No data available.

## SECTION 10: Stability and Reactivity Data

Reactivity : No data available.  
Chemical stability : Stable under recommended storage conditions.  
Possibility of hazardous reactions : No data available.  
Conditions to avoid : Avoid moisture  
Incompatible materials : Strong oxidizing agents, strong acids.  
Hazardous decomposition products  
Other decomposition products - Hazardous decomposition products formed under fire conditions.-  
Terbium oxides  
Other decomposition products-No data available

## SECTION 11: Toxicological information

11.1 Information on toxicological effects  
Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Toxicity to Animals:  
Oral LD50 Rat: 1500 mg/kg; Dermal LD50 Rabbit: 2000mg/kg  
Inhalation LC50 Rat: > 50mg/L.  
Chronic Effects on Humans: CARCINOGENIC EFFECTS: Classified None. by NTP, None. by OSHA, None. by NIOSH.  
Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant), of inhalation (lung irritant).  
Special Remarks on Toxicity  
to Animals: Not available.  
Special Remarks on Chronic Effects on Humans: Not available.  
Special Remarks on other Toxic Effects on Humans: Not available.

## SECTION 12: Ecological Information

Toxicity: No data available.  
Persistence - degradability : No data available.  
Bioaccumulative potential : Not established.  
Mobility in soil : Not established.  
Results of PBT and vPvB assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.  
Other adverse effects :  
No data available.

## SECTION 13: Disposal Considerations

Waste treatment methods  
Product: Offer surplus and non-recyclable solutions to a licensed disposal company.  
Contaminated packaging: Dispose of as unused product.

## SECTION 14: Transport Information

Land transport (ADR-RID)  
General information: Not regulated.  
Sea transport (IMDG) [English only]  
General information: Not regulated.  
Air transport (ICAO-IATA) [English only]  
General information: Not regulated.

## SECTION 15: Other Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture  
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.  
Chemical Safety Assessment  
For this product a chemical safety assessment was not carried out.

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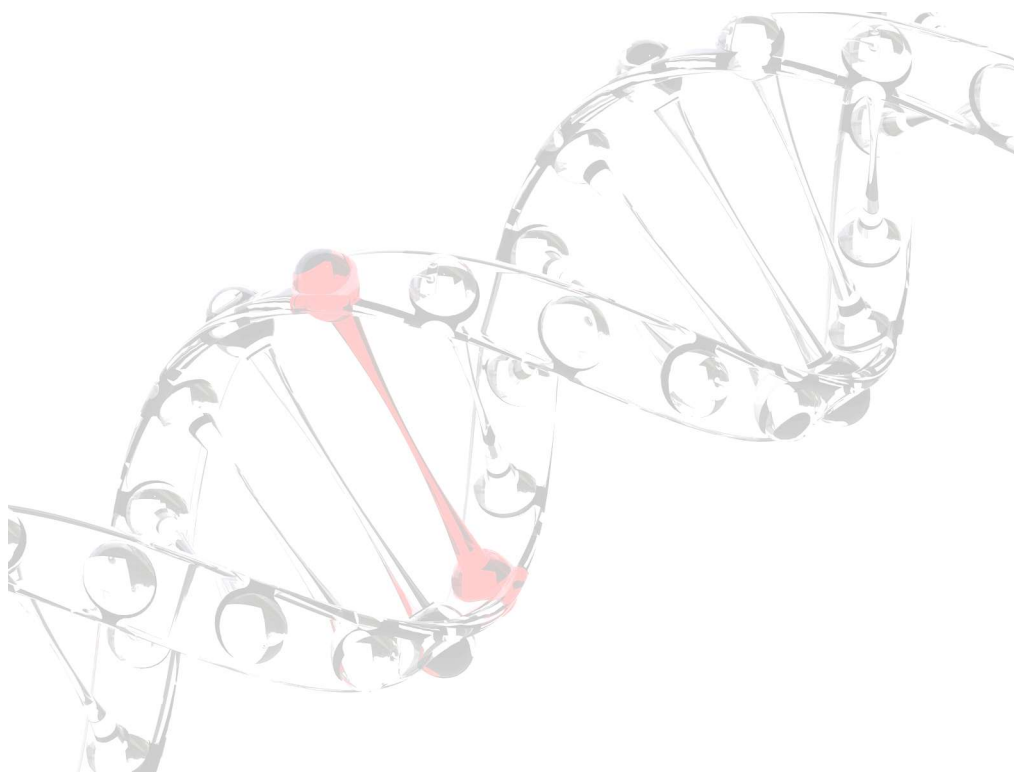
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## SECTION 16: Other Information

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.

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