

MATERIAL SAFETY DATA SHEET (MSDS)

TITANIUM DIOXIDE, RUTILE

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Product form : Substance
CAS-No. : 1317-80-2

Details of the supplier of the safety data sheet

ASES CHEMICAL WORKS
Brahm Bagh, Jalori Gate
Jodhpur - 342001 Rajasthan-India
Ph: +91-9636889954
Email : ecom@ases.in Website : www.ases.in

Relevant identified uses

Industrial/Professional use spec : Industrial
For professional use only

Uses advised against

No additional information available

SECTION 2: Hazards identification

Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Carcinogenicity, Category H351

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

Label elements : Not classified

SECTION 3: Composition/information on ingredients

Name	Product identifier	%
TITANIUM DIOXIDE, RUTILE	(CAS-No.) 1317-80-2	100

Full text of R- and H-statements: see section 16

SECTION 4: First aid measures

Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion : Rinse mouth out with water. If you feel unwell, seek medical advice.

Most important symptoms and effects, both acute and delayed

Chronic symptoms : Suspected carcinogen.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

Suitable extinguishing media : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂).

Unsuitable extinguishing media : Do not use a heavy water stream.

Special hazards arising from the substance or mixture : No additional information available

Protection during firefighting : Do not attempt to take action without suitable protective equipment.

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SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Emergency procedures	: Avoid contact with skin, eyes and clothing.
Protective equipment	: Use personal protective equipment as required.
Environmental precautions	: Avoid release to the environment.
Methods for cleaning up	: Clean contaminated surfaces with an excess of water.
Reference to other sections	: No additional information available

SECTION 7: Handling and storage

Precautions for safe handling	: Avoid contact with skin and eyes.
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
Storage conditions	: Store in a well-ventilated place. Keep container tightly closed.
Specific end use(s)	: No additional information available

SECTION 8: Exposure controls/personal protection

Control parameters	: No additional information available
Hand protection	: Protective gloves
Eye protection	: Chemical goggles or safety glasses
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: Approved supplied air respirator

SECTION 9: Physical and chemical properties

Physical state	: Solid	Vapour pressure	: No data available
Molecular mass	: 79.87 g/mol	Relative vapour density at 20 °C	: No data available
Colour	: White.	Relative density	: No data available
Odour	: No data available	Density	: 4.23 g/cm ³
Odour threshold	: No data available	Solubility	: No data available
pH	: No data available	Log Pow	: No data available
Relative evaporation rate	: No data available	Viscosity, kinematic	: No data available
Melting point	: 1843 °C	Viscosity, dynamic	: No data available
Freezing point	: No data available	Explosive properties	: No data available
Boiling point	: 2972 °C	Oxidising properties	: No data available
Flash point	: No data available	Explosive limits	: No data available
Auto-ignition temperature	: No data available	Decomposition temperature	: No data available

SECTION 10: Stability and reactivity

Reactivity	: No additional information available
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No additional information available
Conditions to avoid	: Air contact. Direct sunlight. Moisture.
Incompatible materials	: No additional information available
Hazardous decomposition products	: No additional information available

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SECTION 11: Toxicological information

Acute toxicity	: Not classified	Carcinogenicity	: Suspected of causing cancer.
Skin corrosion/irritation	: Not classified	Reproductive toxicity	: Not classified
Serious eye damage/irritation	: Not classified	STOT-single exposure	: Not classified
Respiratory or skin sensitisation	: Not classified	STOT-repeated exposure	: Not classified
Germ cell mutagenicity	: Not classified	Aspiration hazard	: Not classified

SECTION 12: Ecological information

Toxicity	: No additional information available
Persistence and degradability	: No additional information available
Bioaccumulative potential	: No additional information available
Mobility in soil	: No additional information available
Results of PBT and vPvB assessment	: No additional information available
Other adverse effects	: No additional information available

SECTION 13: Disposal considerations

Waste treatment methods :No additional information available

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

UN number		UN proper shipping name	
UN-No. (ADR)	: Not applicable	Proper Shipping Name (ADR)	: Not applicable
UN-No. (IMDG)	: Not applicable	Proper Shipping Name (IMDG)	: Not applicable
UN-No. (IATA)	: Not applicable	Proper Shipping Name (IATA)	: Not applicable
UN-No. (ADN)	: Not applicable	Proper Shipping Name (ADN)	: Not applicable
UN-No. (RID)	: Not applicable	Proper Shipping Name (RID)	: Not applicable
Packing group		Transport hazard class(es)	
Packing group (ADR)	: Not applicable	Transport hazard class(es) (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable	Transport hazard class(es) (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable	Transport hazard class(es) (IATA)	: Not applicable
Packing group (ADN)	: Not applicable	Transport hazard class(es) (ADN)	: Not applicable
Packing group (RID)	: Not applicable	Transport hazard class(es) (RID)	: Not applicable

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

EU-Regulations:	No REACH Annex XVII restrictions. TITANIUM DIOXIDE, RUTILE is not on the REACH Candidate List and Annex XIV List
National regulations:	The substance is not listed
Chemical safety assessment:	No additional information available

SECTION 16: Other information

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.