

**OXIMET**

**SAFETY DATA SHEET**  
**Tin Oxide**



Distributed by:  
Laguna Clay Company  
14400 Lomas Ave  
City of Industry, CA 91746  
1-800-4Laguna  
info@lagunaclay.com  
www.lagunaclay.com

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product identifier**

Product name Tin Oxide  
REACH Registration number 01-2119946062-44-0004  
CAS-No. 18282-10-5  
EC No. 242-159-0  
Chemical characterization:  
SnO2

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Identified uses Industrial Use, Electrical and electronic equipment, Used in polishing, Ceramic

**1.3. Details of the supplier of the safety data sheet**

Supplier OXIMET S.R.L.  
Viale Regina Pacis, 200  
41049 SASSUOLO (MODENA)  
ITALY  
VAT No. IT08535020153  
Tel. ++39 0536 800801  
Fax ++39 0536 803295  
E-Mail: oximet@endekaceramics.com

**1.4. Emergency telephone number**

OXIMET  
Tel. +39 02 39311617 / +39 348 0910194  
Fax. +39 02 39315042

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

Classification (EC 1272/2008)  
Physical and Chemical Hazards Not classified.  
Human health Not classified.  
Environment Not classified.  
Classification (67/548/EEC) Not classified.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**2.2. Label elements**

EC No. 242-159-0  
Label In Accordance With (EC) No. 1272/2008  
No pictogram required.

**2.3. Other hazards**

Other hazards:  
Not known

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

## Tin Oxide

**3.1. Substances**

Tin dioxide	95-100%
CAS-No.: 18282-10-5	EC No.: 242-159-0
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

REACH Registration number 01-2119946062-44-0004

CAS-No. 18282-10-5

EC No. 242-159-0

**SECTION 4: FIRST AID MEASURES****4.1. Description of first aid measures**Inhalation

Move the exposed person to fresh air at once.

Ingestion

Get medical attention.

Skin contact

Wash skin thoroughly with soap and water.

Eye contact

Rinse with water. Contact physician if discomfort continues.

**4.2. Most important symptoms and effects, both acute and delayed**General information

See section 11 for additional information on health hazards.

**4.3. Indication of any immediate medical attention and special treatment needed**

No specific first aid measures noted.

**SECTION 5: FIREFIGHTING MEASURES****5.1. Extinguishing media**Extinguishing media

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

**5.2. Special hazards arising from the substance or mixture**Specific hazards

Not known.

**5.3. Advice for firefighters**Special Fire Fighting Procedures

No specific fire fighting procedure given.

Protective equipment for fire-fighters

Use protective equipment appropriate for surrounding materials.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective clothing as described in Section 8 of this safety data sheet.

**6.2. Environmental precautions**

Do not discharge into drains, water courses or onto the ground.

**6.3. Methods and material for containment and cleaning up**

Pick up with vacuum or absorbent solid, store in closed container for disposal.

## Tin Oxide

**6.4. Reference to other sections****SECTION 7: HANDLING AND STORAGE****7.1. Precautions for safe handling**

Do not use in confined spaces without adequate ventilation and/or respirator.

**7.2. Conditions for safe storage, including any incompatibilities**

Keep away from food, drink and animal feeding stuffs. Keep containers tightly closed. Store in a dry place.

**7.3. Specific end use(s)**

N/A.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
Tin dioxide	WEL		2 mg/m <sup>3</sup>		4 mg/m <sup>3</sup>	as Sn

WEL = Workplace Exposure Limit.

**8.2. Exposure controls**Engineering measures

Provide adequate general and local exhaust ventilation.

Respiratory equipment

If ventilation is insufficient, suitable respiratory protection must be provided.

Hand protection

Hand protection not required. Gloves are recommended for prolonged use.

Eye protection

Wear approved chemical safety goggles where eye exposure is reasonably probable.

Hygiene measures

When using do not eat, drink or smoke. Wash hands after handling.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

<u>Appearance</u>	Powder, dust
<u>Colour</u>	White.
<u>Odour</u>	Odourless.
<u>Solubility</u>	Insoluble in water
<u>Initial boiling point and boiling range (°C)</u>	1800-1900°C (sublimation)
<u>Melting point (°C)</u>	~1630°C
<u>Relative density</u>	6.9 g/cm <sup>3</sup> 20°C
<u>Flash point (°C)</u>	

Not applicable.

Explosive properties

Not considered to be explosive.

**9.2. Other information**

None.

**SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity**

No specific reactivity hazards associated with this product.

## Tin Oxide

### **10.2. Chemical stability**

No particular stability concerns.

### **10.3. Possibility of hazardous reactions**

Not known.

### **10.4. Conditions to avoid**

Not known.

### **10.5. Incompatible materials**

#### Materials To Avoid

Not known.

### **10.6. Hazardous decomposition products**

Not known.

## SECTION 11: TOXICOLOGICAL INFORMATION

### **11.1. Information on toxicological effects**

#### Toxicological information

There is no data available on the product itself

#### Aspiration hazard:

Not Applicable

#### Health Warnings

This product has low toxicity. Only large volumes may have adverse impact on human health. Chronic exposure to tin oxide dust may cause Stannosis (pneumoconiosis)

#### Route of entry

Inhalation. Ingestion. Skin and/or eye contact.

## SECTION 12: ECOLOGICAL INFORMATION

### **12.1. Toxicity**

Not available.

### **12.2. Persistence and degradability**

Not available.

### **12.3. Bioaccumulative potential**

#### Bioaccumulative potential

No data available on bioaccumulation.

### **12.4. Mobility in soil**

#### Mobility:

Not available.

### **12.5. Results of PBT and vPvB assessment**

Not available.

### **12.6. Other adverse effects**

Not regarded as dangerous for the environment. Avoid releasing to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

### **13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements.



## Tin Oxide

**SECTION 14: TRANSPORT INFORMATION**

General The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

**14.1. UN number**

Not applicable.

**14.2. UN proper shipping name** Not

applicable.

**14.3. Transport hazard class(es)**

Transport labels

No transport warning sign required.

**14.4. Packing group**

Not applicable.

**14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant

No.

**14.6. Special precautions for user**

Not applicable.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

**SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

EU Legislation

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. Authorisations (Title VII Regulation 1907/2006)

No specific authorisations are noted for this product.

Restrictions (Title VIII Regulation 1907/2006)

No specific restrictions of use are noted for this product.

**15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

**SECTION 16: OTHER INFORMATION**

Revision Date 16/09/2014

Revision 2

Supersedes date 01/12/2010

Risk Phrases In Full

NC - Not Classified

**Disclaimer**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.