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**SAFETY DATA SHEET**  
**(Rec. 1907/2006/CE)**

**PRODUCT NAME: TIN OXIDE - OXIMET**

**1 IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY**

**1.1 PRODUCT IDENTIFICATION**

COMMERCIAL NAME	TIN OXIDE
CHEMICAL DEFINITION	TIN DIOXIDE
CAS NUMBER	18282-10-5
EINECS NUMBER	242-159-0
INDEX NUMBER	-
INVENTORY, IDENTIF. NUMB. AND LABELLING	-
REACH REGISTRATION NUMBER	01-2119946062-44-0004
REGISTRATION DATE	March 25th, 2013

**1.2 PRODUCT USES**

EXPECTED AND EXISTING USAGE	Uses of the substance hereunder enlisted are not exhaustive and do exclude other uses exist used in ceramics used for sinterisation used in electrical and electronic components used in polishing
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**1.3 INFORMATION ON THE SAFETY DATA SHEET SUPPLIER**

1.3.1 REGISTERED NAME	OXIMET SRL
1.3.2 COMMERCIAL OFFICE	Via Rosa Massara de Capitani 14 20158 MILANO ITALIA Tel. +39.02.39311617 Fax. +39.02.39315042 e-mail <a href="mailto:oximet@endekaceramics.com">oximet@endekaceramics.com</a>

1.3.3 PRODUCTION SITE AND HEADQUARTERS	Viale Regina Pacis, 200 41040 - SASSUOLO (MO) - ITALY Tel. +39.0536.800801 Fax +39.0536.803295
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**1.4 EMERGENCY PHONE NUMBERS**

OXIMET SRL	Tel. +39.02.39311617/+39.348.0910194 Fax. +39.02.39315042
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**2. HAZARDS IDENTIFICATION**

**2.1 CLASSIFICATION OF THE SUBSTANCE**

Classified as per Rec. 1272/2008	not classified
Classified as per Dir. 67/548	not classified

**2.2 LABEL ELEMENTS** not applicable

**2.3. OTHER HAZARDS**

PBT and vPvB evaluation

N.A.

Based on available datas the product doesn't show to bre harmful for human health and for nature

### **3.COMPOSITION/INFORMATION ON INGREDIENTS**

CHEMICAL NAME	tin dioxide SnO <sub>2</sub>
CAS NUMBER	18282-10-5
EINECS NUMBER	242-159-0
INDEX NUMBER	-

### **4 FIRST AID MEASURES**

#### **4.1 DESCRIPTION OF FIRST AID MEASURES**

INHALATION	remove from exposure to fresh air
SKIN CONTACT	wash up with soap and water
EYE CONTACT	flush eyes with copious amounts of water; in case of persistent symptoms consult doctor
INGESTION	consult doctor

#### **4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

Not expected

#### **4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION**

Generally the product doesn't require any immediate medical attention other than the ones listed in Sec. 4.1

### **5 FIREFIGHTING MEASURES**

#### **5.1 EXTINGUISHING MEDIA**

The product doesn't burn. In case of fire provide for medias and procedures as appropriate to surrounding materials

#### **5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE**

none known

#### **5.3 ADVICE FOR FIREFIGHTERS**

Proceed as required by surrounding products

### **6 ACCIDENTAL RELEASE MEASURES**

#### **6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

Wear gloved and suitable protective devices against dust

#### **6.2 ENVIRONMENTAL PRECAUTIONS**

Avoid waste in sewerage or in surface water

#### **6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP**

Vacuum clean avoiding dust dispersion

### **7 HANDLING AND STORAGE**

#### **7.1. PRECAUTIONS FOR SAFE HANDLING**

Use local exhaust ventilation

#### **7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

Keep away from food and beverages

Keep in closed bags and non open sites

#### **7.3 SPECIFIC END USES**

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N.A.

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## **8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **8.1 CONTROL PARAMETERS**

EXPOSURE LIMITS

TLV/TWA 2 mg/mc (ACGIH 2010)

### **8.2 EXPOSURE CONTROLS**

Wash up hands at any stop and at the end of the shift

No food and beverages and don't smoke during working shift.

Use local exhaust ventilation to suitable filtering unit to maintain dust level below exposure limits

### **8.3 PERSONAL PROTECTION**

#### **BREATH PROTECTION**

Not necessary with suitable ventilation. In case of outstanding dust exposure provide with adequate protective equipment

#### **HAND PROTECTION**

Nomally not necessary. In case of long and frequent contacts wear gloves.

#### **EYES PROTECTION**

Normally not necessary. In case of outstanding exposure, wear suitable glasses.

#### **SKIN PROTECTION**

Wear suitable suits

## **9 PHYSICAL AND CHEMICAL PROPERTIES**

Appearance and colour	White Powder
Odour	Odourless
pH-Value:	NA
Melting Point	Approx. 1630°C
Boiling Point	Sublimates between 1800°C and 1900°C
Flammability Point	Not Flammable
Flammability (Solid, gas)	NA
Flammability Limit/Explosivity	NA
Density:	6,9 g/cm <sup>3</sup> (20°C)
Solubility in water	insoluble
Self ignition temperature	NA
Viscosity	NA
Explosive Capacity	NA

## **10 STABILITY AND REACTIVITY**

### **10.1 REACTIVITY**

Non reactive

### **10.2 STABILITA' CHIMICA**

Stable

### **10.3 POSSIBILITY OF HAZARDOUS REACTIONS**

None known

### **10.4 CONDITIONS TO AVOID**

None known

### **10.5 INCOMPATIBLE MATERIALS**

None known

### **10.6 HAZARDOUS DECOMPOSITION PRODUCTS**

None known

## **11 TOXICOLOGICAL INFORMATION**

### **11.1 INFORMATION ON TOXICOLOGICAL EFFECTS**

ACUTE TOXICITY	NA
CORROSION/SKIN IRRITATION	NA
LESIONS/EYE IRRITATION	NA
SENSITIVITY	NA
MUTAGENITY	NA
CANCEROGENITY	NA
TOXICITY FOR REPRODUCTION	NA
STOT - SINGLE EXPOSURE	NA
STOT - REPEATEDLY EXPOSURE	NA
DANGER IN CASE OF INHALATION	NA
POSSIBLE WAYS OF EXPOSURE	Inhalation, ingestion, skin/eye contact
EFFECTS ON HEALTH	The product has a low toxicity and the absorption by ingestion is low Chronic exposure to tin dioxide dust may cause pneumoconiosis.

## **12 ECOLOGICAL INFORMATION**

12.1 TOXICITY	ND
12.2 PERSISTENCE AND DEGRADABILITY	ND
12.3 BIOACCUMULATIVE POTENTIAL	ND
12.4 MOBILITY IN SOIL	ND
12.5 PBT e vPvB EVALUATION	ND
12.6 OTHER ADVERSE EFFECTS	None known

The product is not polluting. Avoid anyhow any dispersion.

## **13 DISPOSAL CONSIDERATIONS**

### **13.1 WASTE TREATMENT METHODS**

Dosposal of product and uncleaned packagings has to be conform to official regulations. For the recovery check with the pr

## **14 TRASPORT INFORMATION**

The product is not subject to any international procedure for hazardous material (ADR, IMO, IATA).

## **15 REGULATORY INFORMATION**

### **15.1 NATIONAL AND INTERNATIONAL SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS**

N.A.

### **15.2 CHEMICAL SAFETY ASSESSMENT** N.D.

## **16 OTHER INFORMATION**

This MSDS is conform to the attachment II of REACH Reg. 1907/2006 as required by Reg. 453/2010

Abbreviations and acronyms

NA = non applicabile

ND = non available

Bibliografy and sourcing

Sax's Dangerous Properties of Industrial Materials – eighth ed.

The Merk Index – eleventh ed.

The information given is based on our present state of knowledge and do not represent a guarantee of any product charact

This MSDS is computerised and does not require any signature.

This MSDS supersedes any previous issue.