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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 oximet@endekaceramics.com

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 be harmful for human health and for nature

3.COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	tin dioxide SnO ₂
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 ³ (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

Disposal 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.