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 exaustive and do exclude other uses exist used in ceramics used for sinterisation used in electrical and electronic components used in polishing

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

1.4 EMERGENCY PHONE NUMBERS

OXIMET SRL Tel. +39.02.39311617/+39.348.0910194
Fax. +39.02.39315042

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 data the product doesn't show to be harmful for human health and for nature.
3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME: tin dioxide SnO2
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
N.A.
www.Lagunaclay.com 800-452-4862 info@lagunaclay.com
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 Normally 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/cm3 (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
MUTAGENICITY NA
CANCEROGENICITY 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 producer.

14 TRANSPORT 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 applicable
- ND = non available

Bibliographic 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 does not represent a guarantee of any product characteristic.

This MSDS is computerized and does not require any signature.

This MSDS supercedes any previous issue.