

MATERIAL SAFETY DATA SHEET**ALUBIT 90****1. Identification of the article and of the Company****1.1 Identification of the article**

Product Name **ALUBIT 90**
High Density Alumina Ceramics

1.2 Use of the article

Description/Use **WEAR RESISTANT LININGS**

1.3 Company Identification

Name **INDUSTRIE BITOSSI S.P.A.**

Full Address **Via Pietramarina 53**

District and Country **50053 Sovigliana - Vinci (FI) Italy**
tel. +39 0571 70 91
fax +39 0571 709.850

e-mail address of the qualified person
responsible for the Safety Data Sheet **ambientemsds@colorobbia.it**

1.4 Emergency telephone

For urgent inquiries refer to **+39 0571 709.565**

2. Hazards Identification

The product does not present health or environmental hazards on account of its chemical, physical, toxicological and ecotoxicological properties.

3. Composition / Information on ingredients**It contains:**

Alubit Leonardo products, in spherical shape, are manufactured with raw materials both deriving from natural extraction (kaolin and feldspars) and minerals treatment processes (Alumina).

The main element of the composition is aluminium oxide Al_2O_3 .

Such a substance is not classified by the regulation regarding classification and labelling of dangerous preparations and substances (see 67/548/CEE Directive–1272/2008 Regulation (CLP) Table 3.2 Attachment VI).

Name	Concentration (C).	Classification
ALUMINIUM OXIDE Al_2O_3 C.A.S. Number 1344-28-1 CE Number 215-691-6	> 89,5 %	

4. First aid measures

No harm to the staff authorised to use this product has been reported.

INHALATION: n.a.

INGESTION: n.a.

EYES and SKIN: n.a.

5. Fire-fighting measures

The product is not combustible. In case of fire in the neighbourhood there are no restrictions regarding means of putting out. The product, if involved in a fire, does not develop dangerous combustion products, therefore the choice of the individual protection dispositives that the rescuers must use is not binding. Avoid throwing away the extinction water in the environment.

6. Accidental release measures

PERSONAL PRECAUTIONS
Use gloves and safety shoes.
ENVIRONMENTAL PRECAUTIONS
Not necessary.
METHODS FOR CLEANING UP
N.a.

7. Handling and storage

The product is to be handled by professionally trained personnel.
Handle the product using protective gloves and safety shoes in case of accidental fall.
Because of the hardness of the material, it is advisable not to store in high shelves in order to avoid falls that may cause damages to people and things.

8. Exposure control / personal protection

8.1 Exposure limit values

Name	Type	Country	TWA/8h mg/m3	ppm	STEL/15min mg/m3	ppm
NOT APPLICABLE						

8.2 Exposure controls

Observance of safety measures used in handling chemical substances.
RESPIRATORY PROTECTION
n.a.
EYE PROTECTION
Not necessary.
HAND PROTECTION
Protective gloves.
SKIN PROTECTION
Not necessary.

9. Physical and chemical properties

Colour	white
Odour	odourless
Appearance	solid
Solubility	insoluble
Viscosity	Not available
Vapour density	Not available
Evaporation Rate	Not available
Reactive Properties	Not available
Partition coefficient: n-octanol/water	Not available
pH.	Not available
Boiling point	Not available
Melting point	2250 °C.
Flash point	Not available
Explosive properties	Not available
Vapour pressure	Not available
Specific gravity.	≥ 3.53

<p>10. Stability and reactivity</p> <p>Stable under normal use conditions. The product is not reactive under normal working conditions. Situations to avoid : none Materials to avoid : none Dangerous products of decomposition: none</p>
<p>11. Toxicological information</p> <p>According to currently available data, this product has never produced health damages. Anyway, it must be handled according to good industrial practices. It is advisable to wear safety shoes in case of accidental fall of the material.</p>
<p>12. Ecological information</p> <p>No indications but what reported in section 13.</p>
<p>13. Disposal consideration</p> <p>Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Solid residues may be suitable for disposal in an authorised landfill site. PACKAGING Packaging must be recovered or disposed of in compliance with national waste management regulations.</p>
<p>14. Transport information</p> <p>This article is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR), by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG) and of the International Air Transport Association (IATA) regulations.</p>
<p>15. Information on regulations</p> <p>Warning Symbols: None Hazard sentences (R): None Caution recommendations (S): None</p>
<p>16. Other information</p> <p>GENERAL BIBLIOGRAPHY</p> <ol style="list-style-type: none"> 1. Directive 67/548/CEE and following amendment (XXIX technical amendment) 3. EC 1907/2006 Regulation of the European Parliament (REACH) 4. The Merck Index. 10 Edition 5. Handling Chemical Safety 6. Niosh - Registry of Toxic Effects of Chemical Substances 7. INRS - Fiche Toxicologique 8. Patty - Industrial Hygiene and Toxicology 9. N.I. Sax - Dangerous properties of Industrial Materials-7 Ed., 1989

Note for users:
The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product .
This document must not be regarded as a guarantee on any specific product property.
The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Amendments as to the previous issue:
First edition.