

ORMACTIVATOR LIQUID

EN MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY:

1.1 Product: ORMACTIVATOR LIQUID

1.2 Use of the preparation: Liquid catalyst.

1.3 Company identification: Major Prodotti Dentari Spa - Contact: Mr. Filippo Berrutti (tel. +390116400211) - Address: via Einaudi 23, 10024 Moncalieri ITALY.

1.4 Emergency telephone: +390266101029 Centro Antiveleni Ospedale Niguarda (Cà Granda Piazza Ospedale Maggiore 3 - 20162 Milano). Always contact the nearest hospital or medical center.

2. COMPOSITION/INFORMATION ON INGREDIENTS:

Composition/Concentration:	%	Classification	EC	INDEX	CAS
Alkylstannosiloxane	>50	Xi - R10; R36	-	-	93925-42-9
Polysilicic acid ester	<2	Xn - R10	2182181	-	68412-37-3
Acid 2-ethylhexanoique	10-25	Xn - R36/37	2057436	607230006	149-57-5

Exposure Limits:	USA-ACGIH TLV
Alkylstannosiloxane (as tin)	TWA: 0,1 mg/m ³

3. HAZARDS IDENTIFICATION:

3.1 Main Hazard: Product irritating to eyes and skin.

4. FIRST AID MEASURES:

It is suggested to consult a doctor showing this material safety data sheet.

4.1 Inhalation: Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

4.2 Ingestion: Wash out mouth with water provided if person is conscious. Do not induce vomit. Immediately consult a doctor.

4.3 Eye contact: Wash eyes with copious amount of water. Assure adequate flushing of the eyes (15' at least) by separating the eyelids with fingers.

4.4 Skin contact: Remove contaminated clothings. Wash skin with water for 15' at least.

5. FIRE-FIGHTING MEASURES:

5.1 Suitable extinguishing media: Chemical foam, CO₂, dry powders.

5.2 Extinguishing media not to be used: Do not use water, it may spread fire.

5.3 General precautions: During combustion, toxic gases may arise.

5.4 Extraordinary hazards: Cool down the containers with vaporized water.

6. ACCIDENTAL RELEASE MEASURES:

6.1 Personal precautions: Do not operate without protection equipment (see also following § 8).

6.2 Environmental precautions: Do not empty into drains. Avoid disposal to the environment.

6.3 Methods for cleaning up: Dry released material using inert absorbents such as sand or sawdust. Collect and dispose into appropriate containers, provide appropriate containers labelling and set for final disposal. Wash and ventilate contaminated areas.

7. HANDLING AND STORAGE:

7.1 Handling: Provide working areas to be well-ventilated. Do not smoke while manipulating, take precautionary measures against fires. If necessary adopt individual protection equipment.

7.2 Storage: Keep away from light, heat and ignition sources, in a cool and dry place. Keep away from incompatible materials (oxidizing agents).

7.3 Shelf life: Expiry date is indicated on every package.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

The following evaluation is intended for Dental Laboratories use.

8.1 Exposure Limit values: TLV (TWA): 0,1 mg/m³; TLV (STEL): 0,2 mg/m³

8.2 Exposure controls: Avoid contact with eyes.

8.2.1 Occupational exposure controls: Work in well-ventilated areas; if possible adopt local mechanical subctions to reduce vapours diffusion. In normal using conditions, adopting general precautions (see below), it is difficult to reach a high concentration level of dangerous vapours. Evaluate the possibility of using personal protective equipment at least to protect eyes form accidental contacts.

8.2.1.1 Respiratory protection: In case of insufficient ventilation, wear a respiratory mask. Then proceed to local ventilation.

8.2.1.2 Hand protection: It is suggested to wear protective rubber gloves, if high quantity is handled.

8.2.1.3 Eye protection: It is suggested to adopt generic goggles. If high quantity are handled, adopt safety goggles and/or a safety facial shield.

8.2.1.4 Skin protection: Generic working clothings are suitable for a normal Laboratory activity. If high quantity are handled, adopt chemical-resistant clothings.

Sanitary recommended measures: Wash hands immediately after use.

Recommended first-aid measures: It is suggested to keep an eye-bath near the working area.

9. PHYSICAL AND CHEMICAL PROPERTIES:

- Form: Liquid
- Color: Transparent
- Odour: Acry, intense
- pH: not applicable
- Specific weight: 0,97 g/cm³at 25°C
- Density: 1 g/ml
- Burning properties: not burning
- Flash point: 33°C
- Water solubility: insoluble.
- Solubility (in organic solvents): the product is partially solved by diethylic eter, aliphatic hydrocarbons, chlorinatedsolvents.

10. STABILITY AND REACTIVITY:

The material is stable at room temperature.

10.1 Conditions to avoid: Avoid product contact with oxidizing agents.

10.2 Materials to avoid: Oxiding agents.

10.3 Hazardous decomposition products: None during normal use. In contact with water the product may slowly react, generating flammable vapours. Potential generating amount: 40% in weight of the product.

11. TOXICOLOGICAL INFORMATION:

Acute effects: Analogous materials resulted: LD 50 pc (rat) > 2000 mg/kg
LD 50 po (rat) > 2000 mg/kg

Local effects: The product is irritating to eyes and skin, if ingested may cause irritations.

12. ECOLOGICAL INFORMATION:

Do not empty into drains or to the environment.

13. DISPOSAL CONSIDERATIONS:

This material is a special waste. Do not dispose as a urban waste and do not empty into drains. Collect and dispose into appropriate containers and set for final disposal.

Disposal procedure: Burn in a chemical incinerator. Exert extra care (using inhibitors) in igniting as the material is highly flammable.

European Waste Inventory (2000/532/EC): 180106 Wastes from maternity, diagnosis and prevention of the illness in the humans - Waste chemicals and medicines.

Caution!: For using and disposing, observe all federal, state and local environmental regulations.

14. TRANSPORT INFORMATION:

Transport in the original closed containers, at a temperature below 30°C, away from light or heat sources. Keep away from ignition or heat sources.

Road transport:

- RID/ADR Class: 3
- RID/ADR#: 3 1C
- DANGER#: 30
- MATERIAL#: 1993
- UN#: 1993
- OMI/MDG Class: 3.3
- UN#: 1993
- PACK GROUP: III
- ICAO/IATA Class: 3
- UN-/ID-#: 1993
- PACK GROUP: III

Sea transport:

Air transport:

15. REGULATORY INFORMATION:

Labelling: for dangerous substances or preparation. For professional use only.



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Irritant

Risk phrases (R):
R36/38: Irritating to eyes and skin

Safety phrases (S):
S37: Wear suitable gloves.
S39: Protect eyes.

Caution!: observe all federal, state and local regulations.

16. OTHER INFORMATION:

This Material Safety Data Sheet has been compiled according to EEC Directives 91/155 and 93/112. This Information is believed to be correct according to the sources available. Please contact the manufacturer for any other information on products safety. In any case, the manufacturer does not grant any explicit or implicit warranty or liability on using the informations given above. Users must control the conformity of these informations for any specific use. This information does not represent a definition of working place hazards falling under local Laws or Directives. All local, federal and state Laws and Directives must be observed to use and dispose the above described product.

Update: 02-2004