

MATERIAL SAFETY DATA SHEET

MSDS in conformity with EEC Directive 91/155
n/a not applied n/e not evaluated

1. IDENTITY

- 1.1 TRADE NAME: PROTESIL CATALYAT GEL
1.2 CLASSIFICATION NAME: Dental Impression Material
1.3 COMMON OR USUAL NAME:
1.4 MANUFACTURER'S NAME AND ADDRESS:
VANNINI DENTAL INDUSTRY S.R.L.
Via di Campigliano, 55/a
50015 Grassina (Fi)
tel. ++39/55/642525
fax ++39/55/644697

2. CHEMICAL IDENTITY

- 2.1 COMPONENTS: O-Ethylsilicate CAS Number: 78-10-4
2.2 HAZARDOUS COMPONENTS Tinorganic Compound

3. HEALTH AND ENVIRONMENT HAZARD DATA

Irritant material. No hazards when the material is handled in accordance with official regulations.

4. EMERGENCY AND FIRST AID PROCEDURES

- 4.1 IN CASE OF CONTACT WITH EYES: Immediately flush with plenty of water. Use fingers to assure that eyelids are separated and that eye is being irrigated. Call a physician, preferably an eye specialist.
4.2 IN CASE OF CONTACT WITH SKIN: Wash thoroughly with fresh water and soap.
4.3 IN CASE OF INHALATION: Take to open air and seek medical advice.
4.4 IN CASE OF INGESTION: Call a physician.

5. FIRE FIGHTING PROCEDURES

- 5.1 FIRE/EXPLOSION HAZARDS: Keep away from heat, sparks and open flame.
5.2 EXTINGUISHING MEDIA: Any applicable to primary cause of fire.
RECOMMENDED: Foams, CO2, Powder, Nebulized water.
CONTRAINDICATED: n/a
5.3 PROTECTIVE CLOTHING AND EQUIPMENT IN CASE OF FIRE: n/a
5.4 EXPOSURE HEALTH HAZARDS: n/a

6. STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED

- 6.1 PERSONAL PROTECTION: n/a
6.2 PROTECTION OF ENVIRONMENT: n/a
6.3 CLEANING METHODS: Absorb spill thoroughly as residue is slippery. Non corrosive to waste container.

7. HANDLING AND STORING

- 7.1 HANDLING: Handling procedure as per instructions. Use a good personal hygiene.
7.2 STORING: Shelf-life prolonged if stored at room temperature or below.
7.3 PACKAGING:
recommended material: polyethylene
contraindicated material: Ferrous metallic material

8. PRECAUTIONS FOR SAFE USE

- 8.1 TECHNICAL PRECAUTIONS: n/a
8.2 PERSONAL PROTECTION: Handle product with normal care for chemicals.
a) RESPIRATORY PROTECTION: recommended
b) PROTECTIVE GLOVES: vinyl gloves
c) EYE PROTECTION: goggles
d) SKIN PROTECTION: recommended

9. PHYSICAL/CHEMICAL CHARACTERISTICS

9.1 APPEARANCE:	Red gel
9.2 ODOUR:	Ethylic
9.3 pH:	n/a
9.4 BOILING POINT:	n/e
9.5 MELTING POINT:	n/a
9.6 FLASH POINT:	62°C with closed cup AFNOR T 60.103
9.7 FLAMMABILITY:	n/a
9.8 EXCLUSIVE CHARACTERISTICS:	n/a
9.9 FIRE DATA:	n/a
9.10 VAPOUR PRESSURE:	At 20°C < MBARS
9.11 RELATIVE DENSITY:	At 25°C 1,05 Kg/dm ³
9.12 SOLUBILITY:	Insoluble in water

10. STABILITY AND REACTIVITY DATA

10.1 CONDITIONS TO AVOID:	n/a
10.2 MATERIALS TO AVOID:	Water, Acids, Bases
10.3 HAZARDOUS REACTIONS:	Possible alcohol evaporation in contact with air.
10.4 HAZARDOUS DECOMPOSITION OR BYPRODUCTS:	n/a

11. TOXICOLOGICAL DATA

ACUTE TOXICITY:	LD 50 > 2000 mg/Kg (oral ingestion in rats) LD 50 > 2000 mg/Kg (injected in rats)
Skin irritation test on rabbits:	non irritant.
Eye irritation test on rabbits:	irritant.
Sensitization test (COBAYE):	no dermal reaction.
Mutagenesis (Ames Test 0,005 - 0,5 mg/boik) =	negative
Ref. Rapport Hazleton-France: 901378 (19.01.79)	

12. ECOLOGICAL DATA

Prevent contamination of streams and phreatic surface. Do not dump on the ground..

13. WASTE DISPOSAL METHOD

Dispose of material in accordance with state or local regulations. Incineration or burial.

14. TRANSPORT

14.1 CARRIAGE BY LAND:	Class and number: 3-32 C
14.2 CARRIAGE BY SEA:	n/a
14.3 CARRIAGE BY AIR:	n/a

15. INFORMATION ON REGULATIONS

OBLIGATORY MARKING AND LABELLING

Warning sign:	Bracing cross
Warning of danger:	Irritant
Risks:	R36
Suggestions of caution:	S25,26

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