

YAMAHACHI DENTAL MFG., Co.
Material Safety Data Sheet

1. Names of Material, and Company

Trade name:	Basis Liquid
Manufacture/supplier:	YAMAHACHI DENTAL MFG., Co.
Address:	54-1 Ochigara Nishiura-cho Gamagori-city Aichi Pref., Japan
Information sector:	Quality Assurance Department
Phone number:	++81-533-57-7121,8519
Fax number:	++81-533-57-1764
Preparation:	28/11/2005
Revision:	01/Feb/2016 (Ver.5)

2. Hazards identification

GHS label elements
Hazard pictograms:



Signal word :	Danger
Hazard statements :	Highly flammable liquid and vapor. Causes skin irritation. May cause an allergic skin reaction. May cause respiratory irritation.

Designation of risk:	Flammable liquid
Harmfulness:	When inhaling it in large quantities, there can be the thing that dizziness or suffocation are caused. Stimulating a mucous membrane such as a nose and a throat. When touching eyes or skin, it was stimulated, and a medicine wound is caused.
Environmental sanitation:	none

3. Composition/Details on Components

Component:	Content:	Formula:	CAS No.:
methylmethacrylate	100%	$\text{CH}_2=\text{C}(\text{CH}_3)\text{COOCH}_3$	80-62-6

4. First-Aid-Measures

after eye contact:	Rinse thoroughly water and contact a doctor.
after skin contact:	If there is something disorder, contact a doctor.
after swallowing:	Contact a doctor immediately.

5. Fire Fighting Measures

Fire fighting methods:	water, foam, carbon dioxide gas, powder fire extinguisher
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6. Measures in Case of Unintended Release

Collecting it to let a paper or a towel absorb it.

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7. Handling and Storage

- 7.1 handling: Only by qualified staff in dental office or dental laboratories.
7.2 Storage: Do not store in the direct Sun.
Store in good ventilated rooms and areas.
Do not keep it in a place the same as an organic peroxide.

8. Personal Protective Equipment

- protect equipment: Use of protection gloves is recommended.
Use of protection glasses is recommended.
Use of protection mask is recommended.
Use of dental working clothes.

9. Physical and Chemical Properties

- Appearance: liquid
Color: clear
Odor: strong odor
Melting point: no data available
Boiling point: 100.8°C
Vapour pressure: no data available
Volatility: yes
Specific gravity: 0.944/20°C
solubility in water: not soluble

10. Stability and Reactivity

- The flash point: 11°C (seal off)
Explosion limits: maximum 12.5vol%
minimum 2.1vol%
Ignition point: 421°C
Decomposition temperature: no data available
Combustibility: yes
Ignitability: yes
Oxidization: none
Explosiveness on hazard: yes
Stability: stable at the normal handling.
Polymerization is caused by a storage condition.

11. Toxicological Data

- Stimulation: This steam stimulates eyes and a respiratory tract.
Eyes and skin have stimulation when they come in contact with liquid.
Acute toxicity: Mouth rat LD50 7872mg/Kg
Mouth mouse LD50 5204mg/Kg
Mouth dog LDLo 5g/Kg
Skin rat LD50 7500mg/Kg
Skin mouse LD50 6300mg/Kg
Skin dog LD50 4500mg/Kg
Inhalation human TClO 125ppm
Inhalation rabbit TClO 17500mg/4.5h
When inhaling it in large quantities, there can be the thing that dizziness or suffocation are caused.
other information: None

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12. Ecological Data

Degradability: good
Accumulation: no data available
Fish-toxicity: gold fish LCo 320mg/L
LC50 350mg/L
LC100 380mg/L
TLm24-96 42-277mg/L

13. Disposal Instructions

Product: general flammable liquid
Recommendations: obey local and governmental regulations

14. Particulars on Transport

Particulars: Do not fall, damage.
Obey attention of the general flammable liquid.
See storage.

UN No.: 1247 (METHYL METHACRYLATE, MONOMER, STABILIZED)
Class or Division: 3
Packing Group: II

MARINE POLLUTANT: Not applicable

15. Regulation

regulation: obey local and governmental regulations

16. Other Particulars

All information above has been given according to our present state of knowledge. It has been compiled to the best of our knowledge. The above-mentioned data do not represent a guarantee on characteristics. They only describe the safety requirements with regard to our products. They do not represent an assurance of product characteristics in the meaning of guarantees.