

# MATERIAL SAFETY DATA SHEET

## 1. Identification of the substance or mixture and of the supplier

### 1.1 Product Name:

NICE FIT(GOLD, SILVER, DILUENT)

### 1.2 Company /Undertaking identification

Manufacturer's Name: **SHOFU INC.**

Address: 11 Kamitakamatsu-cho, Fukunine, Higashiyama-ku, Kyoto 605-0983 ,JAPAN

Phone Number for Information: 81- 75- 561- 1112

Phone: +81- 75- 561- 1112

Fax: +81- 75- 561- 2273

Section in Charge: Quality Assurance Section

Date Prepared: 2011.10.4

### 1.3 Emergency Telephone Number

+81- 75- 561- 1112

## 2. Hazards identification

### GHS CLASSIFICATION

PHYSICAL HAZARDS	FLAMMABLE LIQUIDS	Category 2
	PYROPHORIC LIQUIDS	Not Classified
	CORROSIVE TO METALS	Not Classified
HEALTH HAZARDS	ACUTE TOXICITY- ORAL	Not Classified
	ACUTE TOXICITY- DERMAL	Not Classified
	ACUTE TOXICITY- INHALATION(VAPOURS)	Not Classified
	SKIN CORROSION/IRRITATION	Not Classified
	EYE DAMAGE/IRRITATION	Category 2B
	SENSITIZATION- SKIN	Not Classified
	GERM CELL MUTAGENICITY	Not Classified
	CARCINOGENICITY	Not Classified
	TOXIC TO REPRODUCTION	Category 2
	SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (SINGLE EXPOSURE)	Category 3(narcotic effects, respiratory tract irritation)
	SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (REPEATED EXPOSURE)	Category 2(blood)
ENVIRONMENTAL HAZARD	HAZARDOUS TO THE AQUATIC ENVIRONMENT- ACUTE HAZARD	Not Classified
	HAZARDOUS TO THE AQUATIC ENVIRONMENT- CHRONIC HAZARD	Not Classified

The thing without mention is out of a classification object. Or cannot classify it.

### LABEL ELEMENTS

#### SYMBOL



#### SIGNAL WORD

Danger

#### HAZARD STATEMENTS

Highly flammable liquid and vapor  
May cause allergic skin reaction  
Causes serious eye irritation

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May cause allergy or asthma symptoms or breathing difficulties if inhaled  
 May cause respiratory irritation, or May cause drowsiness and dizziness  
 Suspected of damaging fertility or unborn child  
 Warning May cause damage to organs through prolonged or repeated exposure (blood)

**PRECAUTIONARY STATEMENTS**

[Prevention]

Obtain special instruction before use.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves and eye/face protection.

In case of inadequate ventilation wear respiratory protection.

Do not breathe dust/fume/gas/mist/vapours/spray.

Do not eat, drink or smoke when using this product.

Keep away from ignition sources such as heat/sparks/open flames- No smoking

Ground/Bond container and receiving equipment.

Use only outdoors or in a well-ventilated area.

Contaminated work clothing should not be allowed out of the workspace.

Keep container tightly closed.

Wash hands thoroughly after handling.

[Response]

If in eyes, rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do.

If eye irritation persists, get medical advice/attention.

If on skin, wash with plenty of soap and water. If on skin, skin irritation, get medical advice/attention.

If inhaled, remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptom concerning breath goes out, call a POISON CENTER to doctor.

If swallowed, rinse mouth. Get medical advice/attention.

[Storage]

Store container tightly closed in cool/well-ventilated place.

[Disposal]

Dispose of contents and container in accordance with regulation.

**3. Composition/information on ingredients**

<i>Composition</i>	<i>%</i>			<i>Hazard type</i>
	Gold	Silver	Diluent	
Aluminium Powder	—	5~10	—	
Yellow Copper Powder	10~20	—	—	
Acetone [Cas.No.67-64-1]	65~80	70~85	≐ 100	F .Xi
PMMA [Cas.No.7732-18-5]	10~15	10~25	—	
Others				

**4. First-aid measures**

4.1 *Eye contact* : Rinse cautiously with water for several minutes. Remove contact lenses, if present, and easy to do. If eye irritation persists, get medical advice/attention.

4.2 *Skin contact* : Wash immediately with soap and plenty of water. If on skin, skin irritation, get medical advice/attention.

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- 4.3 *Ingestion* : Rinse mouth. Get medical advice/attention.  
 4.4 *Inhalation* : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptom concerning breath goes out, call a POISON CENTER to doctor.

### 5. Fire-fighting measures

- 5.1 *Suitable Extinguishing Media*: Powder, alcohol-resistsnt foam, Carbon dioxide.  
 5.2 *Extinguishing Media Should not be used*: N/A  
 5.3 *Special Exposure Hazards Arising*: Irritation gases and fumes may ermit.  
 5.4 *Special Protective Equipment*: Wear fire protective cloth and self-contained breathing apparatus if necessary.

### 6. Accidental release measures

- 6.1 *Personal Precautions*: See section 8.  
 6.2 *Environmental Precautions*: Send to approved treatment/disposal company or dispose according to local, state and federal regulations.  
 6.3 *Methods for Cleaning Up*: Wipe up and discard in a suitable container.

### 7. Handling and storage

- 7.1 *Handling*: Handle in a well ventilated place. Wear protective gloves, safety spectacles or face shield. (If necessary wear self-contained breathing apparatus.)  
 Keep away from naked flames, sparks and sources of heat. No smoking.  
 7.2 *Storage*: Store in a cool and dark fire proof area with container tightly closed.  
 Separated from strong oxidants. (Keep refrigerated when not in use.)

### 8. Exposure controls/personal protection

- 8.1 *Exposure limits*:  
 Acetone [Cas No.67-64-1]:  
 - OSHA Permissible Exposure Limit (PEL): 1000 ppm (TWA)  
 - ACGIH Threshold Limit Value (TLV): 500 ppm (TWA),  
 750 ppm (STEL) A4 - not classifiable as a human carcinogen  
 8.2 *Respiratory Protection*: Ventilation. Local exhaust.  
 8.3 *Hand Protection*: Latex or rubber gloves  
 8.4 *Eye Protection*: Safety spectacles  
 8.5 *Skin Protection*: Not required (General working clothes.)

### 9. Physical and chemical properties

- 9.1 *Appearance/Odour/pH*: Gold, silver or colorless transparence liquid with the irritating odour.  
 9.2 *Boiling Point/Boiling Range*: About 56°C (Acetone)  
 9.3 *Melting Point/Melting Range*: - 95°C (Acetone)  
 9.4 *Flash point*: - 18 °C (Acetone)  
 9.5 *Auto flammability*: 460~530°C (Acetone)  
 9.6 *Explosive Properties*: N/D  
 9.7 *Oxidizing Properties*: N/D  
 9.8 *Vapour Pressure*: 24kPa(20°C) (Acetone)  
 9.9 *Relative Density*: ≈ 1.0- 1.3  
 9.10 *Solubility: water solubility*: Soluble

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**10. Stability and reactivity**

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<i>10.1 Stability:</i>	Stable under normal temperatures and pressures.
<i>10.2 Reactivity:</i>	N/A
<i>10.3 Condition to avoid:</i>	Avoid excess heat, flame and other source of ignition. Separated from strong oxidants.
<i>10.4 Materials to avoid:</i>	Strong oxidizing materials.

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**11. Toxicological information**

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Acetone:  
Oral rat LD50: 5800 mg/kg; Inhalation rat LC50: 50,100mg/m<sup>3</sup>; Irritation eye rabbit, Standard Draize, 20 mg severe; investigated as a tumorigen, mutagen, reproductive effector.

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**12. Ecological information**

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The product should not be allowed to drain into sewers.

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**13. Disposal considerations**

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Dispose of contents/container to in accordance with local/regional/national/international regulations.

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**14. Transport information**

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UN Hazard Class:3/UN Packing Group: II  
UN NO.1090 (as Acetone)

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**15. Regulatory information**

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Follow all regulations in your country.

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**16. Other information**

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This product is intended for use by dental professionals. (instrument/material)