

MATERIAL SAFETY DATA SHEET

Number: A-0003 (E)
Date prepared: May 28 2001
Date revised: February 27, 2006

1. Chemical Product and Company Identification

Product code: -
Product name: GC Fuji Coat LC
Manufacturer/Supplier:
GC Corporation, 76-1 Hasunuma-Cho, Itabashi-Ku, Tokyo, Japan
Postal code 174-8585, Phone 81-3-3965-1388

Australian supplier:
Henry Shein Halas Dental Co., Ltd.,
Sydney – Head Office
44 O'Dea Ave, Waterloo, NSW 2017
Emergency Phone (02) 9697-6288
Fax (02) 9697 6250

2. Composition / Information on Ingredients

(% chemical components by WT)

Methyl methacrylate (CAS# 80-62-6)	30 %
Dimethacrylate ester (CAS# not listed)	30-40
Urethane acrylate (CAS# 122605-48-5)	30

(See section 8 for exposure guidelines)

3. Hazards Identification

Emergency Overview:
Ester-like odor and yellowish liquid. Highly flammable. Irritating eyes, respiratory system and skin. May cause sensitization by skin contact.

Potential Health Effects

Eye: Cause irritation.

Skin:

Frequent or prolonged contact may irritate the skin and cause a skin rash. May cause sensitization by skin contact.

Ingestion:

Small amount may be drawn into the lungs by either swallowing or vomiting. This may cause severe and delayed health effects such as inflammation of the lungs and infection of the bronchi. Ingestion may cause irritation of digestive tract and diarrhea.

4. First Aid Measures

Eyes:

Flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention.

Skin:

Flush skin with plenty of soap and water for at least 15 minutes. Get medical attention if irritation persists or develops.

Ingestion: Do not induce vomiting. Give plenty of water. Get medical attention.

Inhalation:

Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stable in side position for transportation.

5. Fire Fighting Measures

Flammable Properties

Flash Point: 10°C (CC)

Flammable Limits: Not determined

Auto Ignition temperature: 435°C

Extinguishing Media: Chemical foam, carbon dioxide, and dry chemical

Fire Fighting Instructions: Water can be used to cool fire-exposed container and protect personnel.

Use of normal protective equipment is recommended.

6. Accidental Release Measures

Do not allow product to reach sewage system or any watercourse.

Inform respective authorities in case of seepage into water course or sewage system.

Dilute with plenty of water.

Ensure adequate ventilation.

Measure for cleaning/collecting: Cover with absorbent material and place in chemical waste container.

7. Handling and Storage

Handling:

Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.

Keep ignition sources away – Do not smoke. Protect against electrostatic charges.

Storage: Keep receptacle tightly sealed. Store in cool, dry conditions in well-sealed receptacles.

Container closed when not in use.

8. Exposure Controls, Personal Protection

Respiratory Protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Skin Protection: Protective gloves

Eye Protection: Tightly sealed goggles

Exposure Guideline(s):

Methyl methacrylate (CAS 80-62-6):

OSHA (PEL): 100 ppm(TWA)

ACGIH (TLV): 50 ppm(TWA), 100 ppm(STEL)

Engineering Controls:

Product is not explosive. However formation of explosive air/vapor mixtures are possible. Use exhaust ventilation.

9. Physical and Chemical Properties

Appearance: Yellowish liquid

Odor: Ester-like

Boiling Point: 100°C

Vapor Pressure: 47.0 hPa @20°C

Vapor Density: No data

Solubility in Water: Miscible

Specific Gravity: No data

Freezing Point: No data

pH: No data

Volatile: No data

10. Stability and Reactivity

Stability: Stable

Incompatibility: Not known

Hazardous Decomposition Products: No decomposition if handled according to specifications.

Hazardous Polymerization: Polymerization may be caused by elevated temperature and ignition sources.

11. Toxicological Information

Acute toxicity: No data

Primary irritant effect: No data:

On the skin: Irritant to skin and mucous membrane

On the eye: Irritant effect

Sensitization: Sensitization possible through skin contact.

Additional toxicological information: No data

12. Ecological Information

Do not allow undiluted product or large quantities of it to reach ground water, watercourse or sewage system.

13. Disposal Considerations

Must not be disposed together with household garbage. Do not allow product to reach sewage system. Disposal must be made according to official agents.

14. Transport Information

IMO Regulations:

PSN: Methyl methacrylate monomer, stabilized solution.

UN No.1247

Class 3. Flammable liquid

PG II

ICAO and IATA Regulations:

PSN: Methyl methacrylate monomer, stabilized solution.

UN No. 1247

Class 3. Flammable liquid

PG II

15. Regulatory Information

Requested to follow the local regulations. No information available here except for Japan.

16. Other Information

No specific notes available.

The information herein is given in good faith, but no warranty expressed or implied is made.