

MATERIAL SAFETY DATA SHEET

Number: 06-1-002-(2)-AL-E
Date prepared: October 10, 2007
Date revised: December 20, 2010
Revised detail: Format Changed

1. Chemical Product and Company Identification

Product code: -
Product name: GC G-Coat Plus
Company Identification:
GC Corporation, 76-1 Hasunuma-Cho, Itabashi-Ku, Tokyo, Japan
Postal code 174-8585, Phone 81-3-3965-1388

| | |
|--|--|
| Australian supplier: Henry Schein Halas Dental Co., Ltd., Sydney – Head Office 44 O'Dea Ave, Waterloo, NSW 2017 Emergency Phone (02) 9697-6288 / 1300 658822 Fax (02) 9697 6250 | New Zealand supplier: Henry Schein Regional Ltd 23 William Pickering Drive Albany, Auckland Emergency Phone 0800 764 766 Fax 0800 808 555 |
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2. Composition / Information on Ingredients

(% chemical components by WT)

| | |
|--------------------------------------|---------|
| Methyl methacrylate(CAS 80-62-6) | 40-50 % |
| Multifunctional methacrylate(CAS -) | 30-40 % |
| Comphorquinone(465-29-2) | <1 % |

3. Hazards Identification

This material is hazardous according to health criteria of NOHSC Australia.

This material is classified as Dangerous Goods as per ADG Code

Poison schedule (SUSDP): None

Hazard Classification

Xi Irritant

R/S Phrase

R11: Highly flammable.
R36/37/38: Irritating to eyes, respiratory system and skin
R43: May cause sensitisation by skin contact.
S9: Keep container in a well-ventilated place.
S16: Keep away from sources of ignition - No smoking.
S23: Do not breathe gas/spray
S24: Avoid contact with skin.
S37: Wear suitable gloves.
S46: If swallowed, seek medical advice immediately and show this container or label.

4. First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes. If symptoms persist, get medical attention.

Skin: Immediately wash with water and soap and rinse thoroughly. Get medical attention, if irritation develops.

Ingestion: If symptoms persist, get medical attention.

Inhalation: Supply fresh air and get medical attention if symptoms persist.

5. Fire Fighting Measures

Flammable Properties

Flash Point: 10°C

Flammable Limits:

Lower flammable limit: 1.7%

Upper flammable limit: 8.2%

Auto Ignition temperature: 435°C

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

6. Accidental Release Measures

Eliminate source of ignition. Wear protective equipment and keep unprotected persons away.

Do not allow product to reach sewage system or any watercourse. Prevent seepage into sewage system, work pits and cellars.

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

Measures for environmental protection: Do not flush to sewer.

Measures for cleaning/collections: Absorb with liquid-binding material. (sand, diatomite, acid binders, universal binders, sawdust), and place in a chemical waste container. Ensure adequate ventilation.

7. Handling and Storage

Handling:

Keep Ignition sources away – Do not smoke.

Ensure good ventilation/exhaustion at workplace.

Storage:

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

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):

| | ACGIH | NIOSH | OSHA – Final PELs |
|-----------------------------------|--------------------------|--|--|
| Methyl methacrylate (CAS 80-62-6) | 50 ppm TWA, 100 ppm STEL | 100 ppm TWA, 410 mg/m ³ TWA 1000 ppm IDLH | 100 ppm TWA, 410 mg/m ³ TWA |

9. Physical and Chemical Properties

Appearance: Light yellowish liquid.

Odor: Slight odor like ester

Boiling Point: 100.8°C

Vapor Pressure: Not determined.

Vapor Density: Not determined.

Solubility in Water: Miscible.

GC G-Coat Plus

Specific Gravity: No data**Melting Point:** No data**Density:** 1.09g/mL**Volatility:** No data available**Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.**10. Stability and Reactivity****Stability:** May be polymerized by sunlight or heat, and may catch fire in the case used near the naked fire.**Incompatibility:** None**Hazardous Decomposition Products:** No dangerous decomposition products known.**Hazardous Polymerization:** No dangerous polymerization known.**11. Toxicological Information**

Methyl methacrylate (CAS# 80-62-6)

Oral mouse LD50: 5204mg/kg

Oral rat LD50: 7872 mg/kg

Inhalation Mousse LC50: 13g/m³

Inhalation rat LC50: 3,740ppm

Carcinogenicity: Not listed by ACGIH, IARC, NTP or CA Prop 65

IARC Category: Group 3

Additional toxicological information:

Investigated as a tumorigen, mutagen, reproductive effectors.

12. Ecological Information

Do not allow undiluted product or large quantities of it to reach ground water, water course 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 the local official regulations.

14. Transport Information**IMO Regulations (IMDG):**

Proper shipping name: Methyl methacrylate monomer, stabilized solution

Hazardous class: 3, Flammable Liquid

UN Number: UN1247

Packing group: II

ICAO and IATA Regulations:

Proper shipping name: Methyl methacrylate monomer, stabilized solution

Hazardous class: 3, Flammable Liquid

UN Number: UN1247

Packing group: II

15. Regulatory Information**Chemical Inventory Status –**

Methyl methacrylate (CAS 80-62-6)

| TSCA | EU | Japan | Australia | Korea |
|------|-----|-------|-----------|-------|
| Yes | Yes | Yes | Yes | Yes |

Australian Hazchem Code: 3 (Y) E

16. Other Information

No specific information available.

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