

SAFETY DATA SHEET

Number: 15-2-008-(1)-E

Date prepared: 2015 Sep 30

Date Revised: 2016 Mar 11

1. Chemical Product and Company Identification

Product code: -

Product name: G-Coat Plus

Manufacturer / Supplier:

GC Corporation, 76-1 Hasunuma-Cho, Itabashi-Ku, Tokyo, Japan

Postal code 174-8585, Phone 81-3-3965-1388

2. Hazards Identification

GHS label elements, including precautionary statements

Pictograms of hazard symbol (referred to Methyl methacrylate)

**[Prevention]** Obtain special instructions before use.

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

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep container tightly closed.

Use explosion-proof electrical/ventilating/lighting equipment. Take precautionary measures against ignition by the static discharge and the spark.

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

Use only outdoors or in a well-ventilated area.

Avoid release to the environment.

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

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

Wash hands thoroughly after handling.

In case of inadequate ventilation wear respiratory protection.

Wear protective gloves/eye protection/face protection.

[Response] IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

IF exposed or concerned: Get medical advice/attention.

[Storage] Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

[Disposal] Dispose of contents/container through a waste management company authorized by the local government.**Other hazards which do not****result in classification:** May cause polymerization.

3. Composition / Information on Ingredients

(% chemical components by WT)

Silicon dioxide	10-15
Methyl methacrylate	40-50
Multifunctional methacrylate	30-40
Phosphoric ester monomer	1-5
Camphorquinone	<1

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 (referred to MMA)**Flammable Properties**

Flash Point: 10 degC

Flammable Limits:

Lower flammable limit: 1.7%

Upper flammable limit: 12.5%

Auto Ignition temperature: 435 degC

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

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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.**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:

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Hazardous class: 3, Flammable Liquid

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Packing group: II

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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

This SDS mainly refers to SDS of methyl methacrylate issued by TOKYO CHEMICAL INDUSTRY CO., LTD.

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