

SDS No. 16-1-006-(1)-E, G-Premio BOND DCA

**SAFETY DATA SHEET**

---

Number: 16-1-006-(1)-E

Date prepared: 2015 Nov 18

Date revised:

**1. Chemical Product and Company Identification**

Product name: G-Premio BOND DCA

Manufacturer/Supplier:

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

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

**2. Hazards Identification**

Emergency Overview:

Highly flammable. May cause irritation to eyes and skin. May cause sensitization by skin contact.

**Potential Health Effects**

Eye: Irritating eyes with redness and pain.

Skin: Irritating skin. Symptoms include redness, itching and pain. May cause allergic skin reactions

Inhalation: Inhalation of vapors irritates the respiratory tract.

Ingestion: May cause diarrhea, nausea and vomiting.

**3. Composition / Information on Ingredients**

Water	20-40%
Ethanol	50-60%
Initiator	10-20%

**4. First Aid Measures** (referring to Ethanol)**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention.**Skin contact:** Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. Get medical advice/attention.**Eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Get medical advice/attention.**Ingestion:** Get medical advice/attention. Rinse mouth.**Protection of first-aiders:** A rescuer should wear personal protective equipment, such as rubber gloves and airtight goggles.**5. Fire Fighting Measures** (referring to Ethanol)**Suitable extinguishing media:** Dry chemical, foam, water in large amounts, carbon dioxide.**Precautions for firefighters:** Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Keep containers cool by spraying with water. Eliminate all ignition sources if safe to do so.**Special protective equipment for firefighters:** When extinguishing fire, be sure to wear personal protective equipment.**6. Accidental Release Measures** (referring to Ethanol)**Personal precautions,**

**protective equipment and emergency procedures:**

Use extra personal protective equipment (self-contained breathing apparatus). Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Entry to noninvolved personnel should be controlled around the leakage area by roping off, etc.

**Environmental precautions:** Prevent product from entering drains.

**Methods and materials for containment and cleaning up:**

Absorb spilled material in dry sand or inert absorbent before recovering it into an airtight container. In case of large amount of spillage, contain a spill.

Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

**Prevention of secondary hazards:**

Remove all sources of ignition. Fire-extinguishing devices should be prepared in case of a fire. Use spark-proof tools and explosion-proof equipment.

**7. Handling and Storage** (referring to Ethanol)**Precautions for safe handling**

**Technical measures:** Handling is performed in a well ventilated place. Wear suitable protective equipment.

Prevent generation of vapour or mist. Keep away from heat/sparks/open flame/hot surfaces. -No smoking. Take measures to prevent the build up of electrostatic charge. Use explosion-proof equipment. Wash hands and face thoroughly after handling.

Use a closed system if possible. Use a ventilation, local exhaust if vapour or aerosol will be generated.

**Advice on safe handling:** Avoid all contact!

**Conditions for safe storage, including any incompatibilities**

**Storage conditions:** Keep container tightly closed. Store in a cool, dark and well-ventilated place. Store locked up. Store away from incompatible materials such as oxidizing agents.

**Packaging material:** Comply with laws.

**8. Exposure Controls, Personal Protection**

**Engineering controls:** Install a closed system or local exhaust. Also install safety shower and eye bath.

**Control parameters:** Not set up

**Personal protective equipment**

**Respiratory protection:** Half or full facepiece respirator, self-contained breathing apparatus(SCBA), supplied air respirator, etc. Use respirators approved under appropriate government standards and follow local and national regulations.

**Hand protection:** Impervious gloves.

**Eye protection:** Safety goggles. A face-shield, if the situation requires.

**Skin and body protection:** Impervious protective clothing. Protective boots, if the situation requires.

**9. Physical and Chemical Properties**

**Appearance:** Transparent Liquid.

**Odor:** Ethanol odor

**Boiling Point:** 78 degC (as Ethanol)

**Vapor Pressure:** 59.5 hPa at 20 degC (as Ethanol)

**Vapor Density (20°C):** No data

**Solubility in Water:** Not miscible

**Specific Gravity:** Approx. 0.96g/cm<sup>3</sup>

**Melting Point:** No data

**pH:** No data

**Volatility:** No data

SDS No. 16-1-006-(1)-E, G-Premio BOND DCA

**10. Stability and Reactivity** (referring to Ethanol)

**Chemical stability:** Stable under proper conditions.

**Possibility of hazardous reactions:** No special reactivity has been reported.

**Conditions to avoid:** Spark, Open flame, Static discharge

**Incompatible materials:** Oxidizing agents

**Hazardous decomposition products:** Carbon monoxide, Carbon dioxide

**11. Toxicological Information** (referring to Ethanol)

**Germ cell mutagenicity:** dni-hmn-lym 220 mmol/L

mno-esc 140 g/L (-S9)

mno-sat 11 pph (+S9)

cyt-mus-ori 40 g/kg

8500 ppm (-S9)

**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):**

Class: 3

UN Number: 1170

Packing Group: II

Marine Pollutant: No

Proper Shipping Name: Ethanol

**ICAO and IATA Regulations:**

Class: 3

UN Number: 1170

Packing Group: II

Proper Shipping Name: Ethanol

**15. Regulatory Information**

**Chemical Inventory Status –**

Ethanol (CAS 64-17-5)

EU Classification

Symbol: F

R: 11

S: (2-)-7-16

**16. Other Information**

No specific information available.

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