

MATERIAL SAFETY DATA SHEET

CERAMIC BACKING MATERIAL
(CBM-80 series)

 DONGIL CERAMICS

SECTION 1. INFORMATION OF CHEMICAL PRODUCTS AND MANUFACTURER

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| PRODUCT | CBM-80 SERIES |
| RECOMMENDED USE & RESTRICTION ON USE | Recommended use: Welding Supports Restriction on use: No data |
| MANUFACTURER | Company: DONG IL CERAMICS CO. Address: 14-5, 1832-Gil, Baegok-daero,, Pogok-eup, Cheoin-gu, Yongin city, Kyunggi-do, KOREA. Tel.: +82(0)31-332-7011~4 FAX: +82(0)31-332-7010 |

SECTION 2. DANGER & NOXIOUSNESS

| | | | |
|--|---------------------------|------------|---------|
| DANGER AND NOXIOUSNESS CLASSIFICATION | No data | | |
| GHS WARNING SIGN | Pictograms | No data | |
| | Signal words | No data | |
| | Danger·Noxiousness phrase | No data | |
| | Preventions | Prevention | No data |
| | | Response | No data |
| | | Storage | No data |
| | | Disposal | No data |
| OTHERS NOT INCLUDED IN DANGER AND NOXIOUSNESS CLASSIFICATION | Health | 1 | |
| | Fire | 0 | |
| | Reactivity | 0 | |

SECTION 3. NAME AND CONTENT OF COMPONENT PARTS.

| COMPOSITION | SYNONIM | CONTENT (%) | CAS. NO |
|----------------------|----------------------------------|-------------|------------|
| CERAMICS FOR WELDING | CERAMIC RAW MATERIAL AND PRODUCT | 88 ~ 92 | 66402-68-4 |
| ALUMINIUM TAPE | | 6 ~ 9 | 7429-90-5 |
| ACRYILC CO-POLYMER | | 1 ~ 3 | 35239-19-1 |

SECTION 4. THE MAIN POINT EMERGENCY MEASURES

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| IN CASE OF ENTERING THE EYES | Immediately wash the eye carefully. If irritation continues, consult a doctor. |
| IN CASE THE SKIN IS CONTACTED | No data |
| IN CASE OF INHALATION | No data |

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| IN CASE OF SWALLOW | Consult a doctor |
| OTHER PRECAUTION | No data |

SECTION 5. MEASURES TO COPE WITH EXPLOSION OR FIRE

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| PROPER FIRE EXTINGUISHING | Foam of CO ₂ , powder |
| SPECIFIC HAZARDS ARISING FROM THE CHEMICALS | Some can be burned, but easily extinguished. Inhalation of the substance may be harmful |
| PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS AND PRECAUTIONS | Remove inflammables and combustibles when welding. Plenty of the ventilation in the workplace is needed. Stock fire apparatus |

SECTION 6. MEASURES TO COPE WITH LEAKAGE

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| NECESSARY MEASURES TO PROTECT THE HUMAN BODY | No relevant |
| NECESSARY MEASURES TO PROTECT THE ENVIRONMENT | No relevant |
| METHOD FOR PURIFICATION OR REMOVAL | No relevant |

SECTION 7. HANDLING AND STORAGE METHOD

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| SAFE HANDLING | Take care of musculoskeletal disorders. Respiratory protective equipment should be worn in order not to inhale hume and gas directly. |
| SAFE STORAGE | Store in a cool, dry place |

SECTION 8. PREVENTION OF EXPOSURE AND INDIVIDUAL PROTECTIVE GEAR

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| CHEMICALS & BIOLOGICAL EXPOSURE STANDARD ETC. | Domestic regulation | No relevant |
| | ACGIH regulation | No relevant |
| | Biological exposure standard | No relevant |
| PROPER ENGINEERING MANAGEMNT | Fully ventilation in the workplace, install an air exhauster. | |
| PERSONAL PROTECTIVE EQUIPMENT | Protection of respiratory organ | Respiratory protective equipment should be worn appropriately in order to protect welders from toxic substances such as hume and gas |
| | Protection of the eyes | Goggles and face protection should be worn in order to protect eyes from the harmful rays of the welding arc |
| | Protection of the hand | Wear heat-resistant protective gloves |
| | Protection of the body | Wear heat-resistant protective clothes |

SECTION 9. CHARACTERISTICS OF PHYSICAL CHEMISTRY

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| SOLIDIFIED COMPLETE PRODUCTS | Ceramics + Aluminum tape + Glass fiber |
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SECTION 10. STABILITY AND REACTION

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| CHEMICAL STABILITY AND POSSIBILITY OF HAZARDOUS REACTIONS | Stability in normal temperature and normal pressure |
| CONDITIONS TO AVOID | No data |
| MATERIALS TO AVOID | Fire flame, etc |
| HAZARDOUS SUBSTANCES GENERATED IN DISINTERGRATION | CO, CO2, smoke and dust |

SECTION 11. TOXICITY INFORMATION

| | | | |
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| INFORMATION ABOUT ROUTE OF EXPOSURE WITH HIGH POSSIBILITY | No data | | |
| HEALTH HAZARD INFORMATION | Acute toxicity | Oral toxicity | No data |
| | | Percutaneous | No data |
| | | Inhalation | No data |
| | | Corrosive or irritant skin | No data |
| | | Serious eye damage or eye irritation | No data |
| | | Respiratory sensitization | No data |
| | | Skin sensitization | No data |
| | Carcinogenic | Occupation safety and health acts | No data |
| | | Ministry of Employment and labor notification | |
| | | IARC | |
| OSHA | | | |
| | | ACGIH | |
| | | NTP | |
| | | EU CLP | |
| Reproductive cell variability | No data | | |

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| | Reproductive toxicity | No data |
| | Specific target organ toxicity(single exposure) | No data |
| | Specific target organ toxicity (Repeated exposure) | No data |
| | Aspiration Hazard | No data |

SECTION 12. EFFECT ON ENVIRONMENT

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|-----------------------------|----------------|---------|
| ECOTOXICOLOGY | Fish | No data |
| | Crustacean | |
| | Birds | |
| PERSISTENCE & DEGRADABILITY | Persistence | No data |
| | Degradability | |
| BIOACCUMULATION | Condensability | No data |
| | Biodegradable | |
| SOIL DRAFT | No data | |
| OTHER | No data | |

SECTION 13. PRECAUTIONS IN WASTE

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| WASTE METHOD | Shall be wasted according to the regulations |
| PRECAUTIONS IN WASTE | No data |

SECTION 14. CONVEYANCE INFORMATION

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|---|-------------------------|-------------|
| UN CLASSIFICATION | No data | |
| PROPER SHIPPING NAME | No relevant | |
| TRANSPORT HAZARD CLASS | No relevant | |
| CONTAINER GRADE | No relevant | |
| MARINE POLLUTANT | No relevant | |
| SPECIAL SAFETY MEASURE THAT NEED TO KNOW ABOUT TRANSPORT AND TRANSPORT METHOD | Fire emergency measure | No relevant |
| | Spill emergency measure | No relevant |

SECTION 15. REGULATIONS BY LAW

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|--|---------------------|--|-------------|
| INDUSTRIAL SAFETY AND HEALTH ACT. | No relevant | | |
| TOXIC CHEMICAL CONTROL ACT | No relevant | | |
| SAFETY CONTROL OF DANGEROUS SUBSTANCES ACT | No relevant | | |
| WASTES CONSTRAL ACT | No relevant | | |
| OTHEHR DOMESTIC AND FOREIGN REGULATION | Domestic Regulation | Persistent Organic Pollutants Control Act | No relevant |
| | Foreign Regulation | American Management Information(OSHA) | No relevant |
| | | American Management Information(CLRCLA) | No relevant |
| | | American Management Information (EPCRA302) | No relevant |
| | | American Management Information (EPCRA304) | No relevant |
| | | American Management Information (EPCRA313) | No relevant |
| | | American Management Information (Rotterdam agreement substances) | No relevant |
| | | American Management Information (Stockholm agreement substances) | No relevant |
| | | American Management Information (Montreal agreement substances) | No relevant |
| | | EU classified information(Classification) | No relevant |
| | | EU classified information(Risk phrases) | No relevant |
| | | EU classified information(Safety Phrases) | No relevant |

SECTION 16. OTHER REFERENCES

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