



109/114 1F Hyundaiplaza B/D Hovy-e-RI, Naeseo-Eup
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MATERIAL SAFETY DATA SHEET

MSDS No. : Kor-CPSH-01
Date of amendments : 05/01/08
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SECTION I. PRODUCT IDENTIFICATION

Product Name : CARBON FRP Fabrics
Designation : Kor-CFW150, Kor-CFW200, Kor-CFW230, Kor-CFW300, Kor-CFW450, Kor-CFW530,
Kor-CFW600
Chemical Family : CARBON FIBER (PAN BASED)

SECTION II. HAZARDOUS INGREDIENTS

Fiber	WT%	TLV
Carbon Fiber(PAN Based)	98 ~ 99	NOT ESTABLISHED
Glass Fiber	1 ~ 2	

SECTION III. PHYSICAL DATA

Boiling Point : NOT APPLICABLE
Vapor Pressure(mmHg) : NOT APPLICABLE
Vapor Density(air=1) : NOT APPLICABLE
Solubility in Water : NOT APPLICABLE
Specific Gravity(H2O=1) : NOT APPLICABLE
Percent Volatile : < 0.5%
Evaporation Rate : NOT APPLICABLE
Appearance and Odor : BLACK, RESIN IMPREGNATED MATERIAL, PRACTICALLY ODORLESS

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point : NOT APPLICABLE
Flammable Limit : NOT APPLICABLE
Extinguishing Media : WATER, DRY CHEMICAL, FOAM, CARBON DIOXIDE
Special Fire Fighting Procedure : SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE
CLOTHING SHOULD BE WORN IN CASE OF FIRES
Unusual Fire And Explosion Hazard : NONE



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SECTION V. HEALTH HAZARD DATA

Threshold Limit Value : NOT ESTABLISHED FOR THIS PRODUCT
Effect Of Overexposure : PROLONGED OR REPEATED CONTACT MAY CAUSE SKIN IRRITATION OR ALLERGIC REACTIONS IN SENSITIVE INDIVIDUALS
Eye(Contact) : MAY CAUSE IRRITATION
Emergency and First Aid Procedure
Eye (Contact) : FLUSH EYES WITH WATER FOR 15 MINUTES SEEK MEDICAL ATTENTION IF SYMPTOMS PERSIST
Skin(Contact) : WASH WITH COPIOUS AMOUNTS OF SOAP AND WATER. WASH CONTAMINATED CLOTHING BEFORE WEARING
Ingestion(Swallowing) : IF SIGNIFICANT QUANTITY HAS BEEN SWALLOWED, GIVE TWO GLASSES OF WATER AND INDUCE VOMITING. SEEK MEDICAL ATTENTION

SECTION VI. REACTIVITY DATA

Stability : STABLE BUT HAS REACTIVITY
Conditions to Avoid : AVOID EXCESS HEAT
Incompatibility(Materials to Avoid) : STRONG ACIDS, BASES, OXIDIZING AGENT
Hazardous Decomposition Products : MAY FORM TOXIC MATERIALS, AVOID INHALATION
Hazardous Polymerization : WILL NOT OCCUR
Conditions to Avoid : NOT ANTICIPATED

SECTION VII. SPILL OR LEAK PROCEDURE

Steps to be taken in Case Material is Released or Spilled : NOT APPLICABLE
Waste Disposal Method : BURY IN THE DESIGNATED GROUND IN ACCORDANCE WITH LOCAL AND NATIONAL REGULATIONS. DO NOT INCINERATE IT. INCINERATION MAY GENERATE AIRBORNE FIBERS WHICH MAY CAUSE ELECTRICAL MALFUNCTIONS

SECTION VIII. SPECIAL PROTECTION INFORMATION

Respiratory Protection : VAPOR RESPIRATOR IS RECOMMENDED WHEN HEATED TO 120°F OR ABOVE.
Ventilation : ADEQUATE VENTILATION IS RECOMMENDED WHILE MACHINING CURED PRODUCT.
Protection Gloves : RUBBER OR PLASTIC GLOVES SHOULD BE WORN AT ALL TIMES WHILE HANDLING THIS MATERIAL.
Eye Protection : SAFETY GLASSES AND/OR GOGGLES SHOULD BE WORN WHILE MACHINING CURED PRODUCT.
Other Protective Equipment : EYEWASH FOUNTAINS, CREAMS FOR EPOXY RESIN.



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SECTION IX. SPECIAL PRECAUTIONS

Precaution to be taken in Handling and Storage : MATERIALS SHOULD BE SEALED AGAINST CONTAMINATION FROM DIRT AND MOISTURE. STORE BELOW 75°F.
Other Precautions : CARBON FIBER IS ELECTRICALLY CONDUCTIVE. IT MAY CAUSE SHORT CIRCUITS OF ELECTRIC APPARATUS, ESPECIALLY WHEN AIRBORNE FIBERS ARE DRIFTING IN THE CIRCUMFERENCE

We believe the information on this data sheet is correct to the best of our current knowledge. However, no warranty is made with respect to its completeness. This material safety data sheet does not anticipate all the situation in which this material is processed or all the physical and mental characteristics of each individual who is involved in the processing.