

FORM NO. : YMU-8544-003

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**MATERIAL SAFETY DATA SHEET****1 CHEMICAL PRODUCT & COMPANY IDENTIFICATION**

CHEMICAL PRODUCT NAME : FD10CG(ARTICLE)  
 NAME OF MANUFACTURER : Hitachi Chemical Company Ltd.(Yamazaki Works)  
 ADDRESS : •3-3-1 Ayukawa-cho, Hitachi, Ibaraki, Japan  
 NAME OF SECTION : Automotive Products Division.  
 Friction Material Development Dept. Mr. S. Kudou  
 TELEPHONE NUMBER : •+81-294-38-6066 (Japan)  
 FAX NUMBER : •+81-294-37-3621 (Japan)  
 EMERGENCY CALL : •MSI(Marubeni Specialty Chemicals, Inc.) [Business hours]  
 (Tel. +1-914-428-6317)  
 •CHEMTREC (Tel.+1-800-424-9300) [24 hours]  
 •Hitachi Chemical Company Ltd. Yamazaki works(Sakuragawa)  
 Tel. +81-294-38-6065(Japan)  
 FOR OTHER INFORMATION : +81-294-38-6066 (Japan)

**2 COMPOSITION/INFORMATION ON INGREDIENTS**

SUBSTANCE/MIXTURE :SOLID(ARTICLE)

INGREDIENTS AND COMPOSITION :

CHEMICAL NAME	COMPOSITION (Wt%)	CHEMICAL FORMULA	CAS No.
Cured Phenolic resin	5 - 12	-	(Trade Secret)
Cured cashew resin	2 - 10	-	(Trade Secret)
Copper	13 - 25	Cu	7440-50-8
Graphite	1 - 8	C	7782-42-5
Barium sulfate	15 - 30	BaSO <sub>4</sub>	7727-43-7
Alumina (non-fibrous)	0.1 - 1	-	1344-28-1
Aramid fiber	1 - 6	-	26125-61-1
Mineral fiber	3 - 15	-	(Trade Secret)
Potassium titanate (flake)	10 - 22	K <sub>2</sub> O•6TiO <sub>2</sub>	12056-51-8
Zirconium Oxide	10 - 20	ZrO <sub>2</sub>	1314-23-4
Antimony trisulfide	1 - 6	Sb <sub>2</sub> S <sub>3</sub>	1345-04-6

UN CLASS : Not Applicable

UN NUMBER : Not Applicable

**3 HAZARDS IDENTIFICATION**

CLASS NAME OF HAZARDOUS CHEMICALS : Not Applicable

PHYSICAL AND CHEMICAL HAZARDS : Cashew resin may cause allergic reaction with skin contact.

Dust from debris could pose inhalation hazard if misused.

ADVERSE HUMAN HEALTH EFFECTS : Not Available

ENVIRONMENTAL EFFECTS : Not Available

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