

## PRODUCT INFORMATION SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : XF232 (Article)  
Name of manufacture : Hitachi Chemical Co., Ltd.  
Address : 4-29-1, Nakanokami-cho, Hachioji-shi, Tokyo, 192-0041 Japan  
Name of section : Advanced Functional Materials R&D Department Mr. Y. Hara  
Phone number : +<81>42-627-8315 FAX number: +<81>42-627-8308  
Mail address: y-hara@hitachi-chem.co.jp  
Emergency number : +<81>42-627-8311 (Japan) 24hours (Japan Brake Industrial Co., Ltd.)  
FORM No. : JB-BL16-002-02  
For other information: This product is an "article" and not an object that is required to issue Safety Data Sheet (SDS) by laws/regulations regarding chemical substances. This Product Information Sheet offers necessary information for safe handling and the responsible concern for the environment.

### 2. HAZARDS IDENTIFICATION

PHYSICAL AND CHEMICAL HAZARDS: Not hazardous

HEALTH HAZARDS: In normal operation, this material hardly has harmful influence on human health. However, dust by friction or impact might cause skin corrosion and irritation, serious eye damage, and damage to organ such as respiratory system and lungs.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Molded article

General product description: Brake lining

Ingredients and composition:

Chemical name	Composition (wt%)	Chemical formula	CAS No.
Phenol resin	10~16	-	9003-35-4
Chromium oxide	2~6	Cr <sub>2</sub> O <sub>3</sub>	1308-38-9
Cashew oil polymer	9~15	-	68333-96-0
Calcium hydroxide	4~8	Ca(OH) <sub>2</sub>	1305-62-0
Glass fiber	5~9	-	65997-17-3
Calcium carbonated	20~30	CaCO <sub>3</sub>	471-34-1
Aluminum oxide (powder)	5~9	Al <sub>2</sub> O <sub>3</sub>	1344-28-1
Others	21~31	-	-

### 4. FIRST - AID MEASURES

Inhalation: Remove the victim from exposure and move to fresh air and keep him at rest.

If breathing is difficult, give oxygen or artificial respiration.

Loosen the clothes and make sure that his airway is open and get medical aid immediately.

Skin contact: Wash the affected area with soap. Get medical aid if irritation develops or persists.

Eye contact: Flush with plenty of water. Get medical aid immediately.

Ingestion: Rinse mouth. When possible, let victim drink a few cup of water or milk and vomit them. Get medical aid immediately.