

**Safety data sheet**

COMPOUND – FKM 75  
 Rev. 02 dated 02-03-04  
 Code no. 302718

**\*1. Compound identification**

## 1.1 Compound identification

Name: FKM 75 G6 – 302718.  
 Product type: Non cured fluoroelastomer compound

1.2 Compound purpose: To make technical rubber goods

**\*2. Compound recipe – Information on the ingredients**

Main ingredients: Synthetic fluoroelastomer rubber, barium sulphate, calcium hydroxide, magnesium oxide, process AID, carbon black.

<u>Name</u>	<u>N.CAS/</u>	<u>Conc. %</u>	
<u>Classification</u>	<u>N.EINECS</u>		
Calcium hydroxide	1305-62-0/ 215-137-3	< 4	Xi, R38-R41

**\*3. Risks identification**

The compound has a specific polymer together with other specified components. Potential risks following inhaling or contact are minimized because these components are dispersed and amalgamated in the base polymer. At process temperature higher than 250 °C (482 °F) the compound let go small quantities of COF2 and HF causing lasting irritation of the breathing structure. Small quantities of benzene can develop during the process or during ageing. The EEC classifies Benzene as category 1 cancer promoting agent (material hazardous for man health)

**4. First aid measures**

4.1 Eyes: Thoroughly wash with running water, keeping the eyes wide open. In case of irritation call the doctor.

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- 4.2 Skin: Long lasting contact with sensitive individuals may cause irritation. Thoroughly wash with running water and soap.
- 4.3 Inhaling: It is not dangerous under normal conditions.
- 4.4 Swallowing: Call the doctor. Do not force vomiting.

**5. Measure against fire**

The compound is non flammable, but can catch fire

- 5.1 Recommended fire extinguishers: Sprayed water, foam, chemical powder, CO<sub>2</sub>
- 5.2 Dressing equipment: Protective suit with breathing device and neoprene gloves
- 5.3 Risks: Toxic gases and smokes develop during the combustion process. Avoid inhaling.

**\*6. In case of accidental escape**

- 6.1 Personal protection: see section 8.
- 6.2 Environmental precautions: None. Material is basically inert.
- 6.3 In case of loss or escape: Do not unload into the sewer system. Gather the material in a suitable container and dispose of it according to para 13.

**\*7. Storage and Handling**

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### 7.1 Handling:

Suitable ventilation required during the process.

Personnel have to strictly follow measures of individual hygiene. No drinking, eating or smoking during on working hours

### 7.2 Storage:

Frequent change of air as well as temperature below 30 °C (86°F) in the storage room .The product has be kept far from heat sources, flames and metal powder.

## \*8. Exposure control / personal protection

8.1 Exposure Limits TLV : N.A.

Hydrofluoric acid TLV/Ceiling (ACGIH 2003) 3 ppm

Carbonyl fluoride TLV/Stel (ACGIH 2003) 5 ppm

Benzene TLV/TWA (ACGIH 2003) 0.5 ppm

Toluene TLV/TWA (ACGIH 2003) 50 ppm

8.2.1 Protection against inhaling: None under normal conditions.

8.2.2 Eyes protection: None under normal conditions.

8.2.3 Hands protection: Gloves made of synthetic rubber

Avoid breathing fumes coming from high temperature operations

## 9. Physical and chemical properties

Appearance:	Solid
Colour:	black
Density:	1,880 g/cm <sup>3</sup>
Solubility in water:	Non soluble
Flash point:	T° > 300°C (572 °F)
Self ignition:	T° > 300°C (572 °F)
Explosion limit:	N.A.

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**\*10. Stability and reactivity**

The product is stable under normal conditions of handling and storage and does not present any inherent risk for man health, if the working process is implemented in a correct way.

It may develop toxic gases and fumes if heated above 250 °c (482 °F) or if in contact with burning flames.

There is a potential risk of an explosion if in contact with metallic powders.

**11. Toxicity information**

Under normal operating conditions there is no health risk provided suitable ventilation is available.

**12. Environmental information**

Material is not biodegradable. Do not dispose of in the environment.

**13. Conditions for disposal**

Scrap is classified as non dangerous special waste. Burning needs special care and procedures because of hydrofluoric acid release.

It is mandatory to dispose of it according to the current legislation.

**14. Information on transportation**

Material is not to be considered dangerous according to transportations regulations .During transportation it is necessary to keep the material shielded from bad weather and from heating sources.

To be kept apart from food and beverages.

**15. information on regulations**

Labels are not required..

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**\*16. Additional information**

- N.A. = Non applicable.
- Text of all risk phases R (update d to July 2003) quoted in charter 2.
- R38 irritating for the skin.
- R41 Risk of serious eye injury.
- \* Change of the previous editions.
- This data sheet has been made according to the guidelines provided by Decree Legislative n. 65 dated March 14, 2003.

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Information in this datasheet is correct to the best of our knowledge at the moment of publication. It is intended to describe the product from the health and safety point of view. And must not be intended as a specific guarantee or warranty of product quality.