

# Valeo F 202

Requirement of Directive 91/155/CEE

Edition: 1.00 GB

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Revised: /

## 1 Product and company identification

Valeo Friction Material for Clutch Facings F 202

### Valeo - Matériaux de friction

Z.I. Nord - rue Thirmonnier - BP 1532  
87020 LIMOGES Cedex 09 - FRANCE  
Tél : (33)05 55 04 38 00  
Fax : (33)05 55 37 08 43

Emergency Telephone: /

## 2 Composition/Information on components

Composite Material with glass fibers and organic binders

Glass fibers	23/30%
Synthetic organic fibers	9/15%
Phenolic and melamine thermoset binders	10/15%
Rubber binders	10/15%
Copper wire	10/15%
Carbon black	5/9%
Lead derivatives (oxide and sulfide lead)	8/12%
Baryum sulfate	5/9%
+ Additives	

## 3 Hazard identification

No danger warning

## 4 First aid measures

No particular measures

## 5 Fire fighting measures

Extinguishing means: water, carbonic foam, powder extinguishers

In case of fire: equipment for fire prevention.

Particular measures of intervention: release of smoke fumes requiring the need to wear a pressure self-contained breathing apparatus.

## 6 Accidental release measures

Collect the pieces and put them on appropriate container for recovery or elimination.

## 7 Handling and storage

Wearing gloves is recommended during prolonged handling in order to avoid skin irritation.

When machining a product, use equipment to inspire any dust produced with the means adapted to work conditions in force.

Stable product to be kept preferably in its original packing. Avoid corrosive atmospheres.

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## 8 Exposure controls / Personal protection

Eye protection: no particular measures required.  
 Hand protection: wearing gloves is recommended during intensive handling.  
 Breathing protection: adequate inspiration when machining the product.  
 NB: according to customer requests, possibility to apply an anti-dust treatment.

Before eating and when work is finished, wash hands with soap and water.

## 9 Chemical and physical properties

Physical appearance:	solid
Color:	black
Odor:	without
Change appearance:	not applicable
Specific gravity:	~1.95 Kg/dm <sup>3</sup>
Vapor pressure:	not applicable
Solubility in water:	not applicable (difficulty in measurement)
Solubility in acetone:	partially soluble
pH:	not applicable
Flash point:	not applicable
Explosive limit:	not applicable
Vapor pressure:	not applicable
Auto-ignition temperature:	more than 400°C

## 10 Stability and reactivity

Thermal decomposition:	stable product, start of decomposition from 350°C with inflammable and harmful start of vapor release.
Decomposing products:	organic compounds containing nitrogen or sulphur.
Dangerous reactions:	no dangerous reaction observed.
Incompatible products:	oil, grease (only to guarantee good use of the material).

## 11 Toxicological information

Physiological effects:	none known.
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## 12 Ecological information

Persistancy:	not biodegradable
Heavy metals:	according to the formulation
	- lead derivatives N° CAS 7439-92-1
	- copper and components N° CAS 7440-50-8

## 13 Disposal information

Product:	Recommendation: remove according to local or national rules in force. Discharge new or used parts on to authorized waste dump.
Packing:	Recommendation: packing should be disposed of according to local or national rules on packaging.



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## 14 Transport information

Classification:	not classified. No label necessary according to law in force.
ONU N°:	
ADR/RID:	
IMO-IMDG code:	
ICAO/IATA:	

## 15 Statutory information

CE symbole:	no measure required.
Risk labels:	not required
Security labels:	not required

## 16 Other information

The information given above is based on current knowledge. This material safety data sheet describes the product under security aspects only. In no case, the above information should be used as a quality guarantee.

Valeo - Matériaux de friction declines responsibility concerning any possible risks that may occur if the product is employed for any other use than the one for which it is manufactured.

This document is written by the Environment Coordinator of Valeo - Matériaux de friction in Linoges