

# SAFETY DATA SHEET

Product

**LydAir® MG**

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Version : 1

Date : 28/03/2006

## 1 IDENTIFICATION OF THE CHEMICAL PRODUCT AND OF THE COMPANY

PRODUCT NAME : LydAir® MG  
Type : PREFILTRE, ASHRAE, HEPA & ULPA  
Name : LYDALL Filtration/Separation S.A.S.  
Address : Saint Rivalain  
56310 MELRAND  
FRANCE  
Telephone number : +33 2 97 28 53 00  
Telefax number : +33 2 97 39 58 90  
EMERGENCY TELEPHONE NUMBER : ORFILA (France) : +33 3 45 42 59 59  
Recommended use : Filter media for the manufacture of air filters

## 2 COMPOSITION / INFORMATION ON INGREDIENTS

PREPARATION :  
Chemical nature : Preparation based on glass fibres and acrylic binder  
Hazardous constituents : Man-made vitreous (silicate) fibres with random orientation with alkaline oxide and alkali earth oxide (Na<sub>2</sub>O+K<sub>2</sub>O+CaO+MgO+BaO) content greater than 18 % by weight (CAS : 65997-17-3, EC classification : Carc. Cat. 3; R40 - Xi; R38) : 0-95 %

## 3 HAZARDS IDENTIFICATION

MOST IMPORTANT HAZARDS :  
Adverse human health effects : Irritating to skin  
Limited evidence of a carcinogenic effect  
Environmental effects : Presents no particular risk to the environment, provided the disposal requirements (see section 13) and national or local regulations are complied with  
Physical and chemical hazards :  
- Fire or explosion : No particular fire or explosion hazard  
Classification of the product : According to European regulations, this product is classified :  
- CARCINOGENIC - Category 3  
- IRRITANT  
Further information : The product does not present any hazard for final use. Nevertheless during its manufacturing or handling, respirable micro-fibres may be released and lead to the classification of the product

## 4 FIRST AID MEASURES

General : The product does not present any hazard for final use. Nevertheless during its manufacturing or handling, respirable micro-fibres may be released and lead to the classification of the product  
Inhalation : Move the affected person away from the contaminated area and into the fresh air  
Make the person drink water

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Skin contact :	Blow the nose to evacuate fibres In the event of coughing and slight breathlessness: Call a doctor Remove all contaminated clothing and footwear Wash with soap and water
Eye contact :	In case of redness or irritation, call a doctor Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum) If irritation persists, consult an eye specialist
Ingestion :	Never attempt to induce vomiting If the swallowed quantity is significant: Consult a doctor

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## 5 FIRE FIGHTING MEASURES

Suitable extinguishing media :	All extinguishing agents can be used
Specific hazards :	Not classified as flammable according to EC criteria, but may present a risk in the event of a fire Toxic gases are released (CO, CO2)
Protection of fire-fighters :	Self-contained breathing apparatus Complete protective clothing

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## 6 ACCIDENTAL RELEASE MEASURES

Personal precautions :	Avoid contact with skin and eyes Do not breathe dust
Environmental precautions :	Do not allow product to spread into the environment
Methods for cleaning up :	
- Recovery :	Vacuum up the product Avoid creating or spreading dust Collect the product and place it in a spare container suitably labelled
- Cleaning/decontamination :	Wash contaminated area with large amounts of water
- Disposal :	Dispose of contaminated materials in accordance with current regulations

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## 7 HANDLING AND STORAGE

### HANDLING

Technical measures :	Ventilation Dust extraction (suction)
Precautions :	Avoid the dispersion of dust Smoking is forbidden
Safe handling advice :	Maintain a suitable ventilation system. Do not handle in a confined space Avoid the build-up of dust

### STORAGE

Technical measures :	Does not require any specific or particular technical measures
Storage conditions :	
- Recommended :	Store : - in a dry area - the packaging tightly closed

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## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures :	Ensure good ventilation of the work station Extraction to remove dust at its source
Occupational exposure limits :	
- France :	Glass fibres : VME : 1 f/cm <sup>3</sup>
- Germany :	Glass fibres: 0.25 f/cm <sup>3</sup>
- UK:	Glass fibres: 2 f/cm <sup>3</sup>
Surveillance procedures :	Monitor the atmosphere at regular intervals
Personal protective equipment :	
- Respiratory protection :	Suitable respiratory protective device with filter (P2 or P3)
- Hand protection :	Protective gloves The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN 374 Breakthrough time : refer to the recommendations of the supplier
- Eye protection :	Safety spectacles
- Skin and body protection :	If dust are formed : Protective clothing with elasticated cuffs and closed neck.
Hygiene measures :	Frequently vacuum dust Wash the floor frequently. Do not drink, eat or smoke in the workplace Always wash your hands after handling the product Separate working clothes from town clothes. Launder separately

## 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state :	Solid
Colour :	white
Form :	Paper
Odour :	odourless to slight
pH :	Not applicable
Specific temperatures :	
- Melting :	~ 550 °C
Flammability characteristics :	
- Flash point :	Not applicable
- Auto-ignition temperature in the air :	Not applicable
Relative density (water = 1) :	2.60 - 2.65
Specific gravity :	0.10 - 0.25 g/cm <sup>3</sup>
Solubility :	
- in water :	Insoluble
Further information :	Organic part is attacked by strong acids and strong oxidizing agents

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## 10 STABILITY AND REACTIVITY

Stability : Stable at ambient temperature and under normal conditions of use

Hazardous reactions :

- Materials to avoid :

- strong acids
- strong bases
- strong oxidizing agents

- Hazardous decomposition products :

On thermal decomposition (pyrolysis), releases :

- Carbon oxides (CO, CO<sub>2</sub>)
- Various hydrocarbon fragments

## 11 TOXICOLOGICAL INFORMATION

Acute symptoms : Possible effects following repeated exposure or accidental absorption :  
Irritation to throat and respiratory system  
Irritation to skin and eyes  
Gastro-intestinal ailment

Local effects : The dust may be irritating to the respiratory system  
Irritating to the skin  
Dust may cause slight irritation to the ocular mucous membranes by mechanical effect

Specific effects :

- Carcinogenicity :

Carcinogenic, category 3  
Limited evidence of a carcinogenic effect  
Glass micro-fibres and dust are listed by IARC in group 2B, as possible carcinogen for human

## 12 ECOLOGICAL INFORMATION

Product as is : No data available  
Avoid discharge of the product as is into the environment

DEGRADABILITY:

Biodegradability : No easy biodegradable

ECOTOXICITY :

Effects on the aquatic environment : The product does not have any known adverse effects on the environment.

## 13 DISPOSAL CONSIDERATIONS

WASTE FROM PRODUCT :

Destruction/Disposal : Dispose of in accordance with relevant local regulations

CONTAMINATED PACKAGING :

Destruction/disposal : Recycle following cleaning or dispose of at an authorised site

NOTE : The user's attention is drawn to the possible existence of specific european, national or local regulations regarding disposal

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## 14 TRANSPORT INFORMATION

INTERNATIONAL

REGULATIONS :

RID/ADR/IMDG/IATA :

NOTE :

Not restricted

The above regulatory prescriptions are those valid on the date of publication of this sheet.

Given the possible evolution of transport regulations for hazardous materials, in case the present sheet is dating back to more than 12 months ago, it would be advisable to check their validity with your commercial agency

## 15 REGULATORY INFORMATION

EC LABELLING :

Identification of the hazardous product :

- Symbols and indications of danger :

- R phrases :

- S phrases :

NOTE :

Contains :

Man-made vitreous (silicate) fibres

- HARMFUL (Xn)

R 40 : Limited evidence of a carcinogenic effect

R 38 : Irritating to skin

S 36/37 : Wear suitable protective clothing and gloves

The regulatory information given above only indicate the principal regulations specifically applicable to the product described in the SDS  
The cited basic community texts are being updated and transcribed in national law

Refer to all applicable international, national and local regulations or provisions

The user's attention is drawn to the possible existence of additional provisions which complete these regulations

## 16 OTHER INFORMATION

R sentences of § 2&3

Restrictions on use :

Bibliographic references :

Safety data sheet established by :

R 40 : Limited evidence of a carcinogenic effect

R 38 : Irritating to skin

This product must not be used for other applications than mentioned in §1

ECB (European Chemical Bureau)

IUCLID (International Uniform Chemical information Database)

IARC (International Agency for Research on Cancer)

INSERM (Institut National de la Santé et de la Recherche Médicale)

TELEGIS, 6 rue des Boucheries F-60400 NOYON

[www.telegis.com](http://www.telegis.com)

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This sheet completes the technical sheets but it does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith.

The attention of the user is drawn to the risks possibly incurred by using the product for any other purpose than that for which it was intended.

This does not in any way excuse the user from knowing and applying all the regulations governing his activity.

It is the sole responsibility of the user to take all precautions required in handling the product.

The mandatory regulations mentioned are only intended to help the user to fulfil his obligations regarding the use of hazardous products.

This listing must not be considered exhaustive. It does not exonerate the user from ensuring that other legal obligations than those mentioned do not exist, relating to the use and storage of the product for which he solely is responsible.

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**End of document.**

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