



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : M 10325
Product Name : MAGNESIUM FLUORIDE

Manufacturer / supplier identification

Company : NICE Chemicals (P) Ltd. , Cochin , India
Tel - 0484 2800212 , 2802755
Contact For Information : Tel . No. – 0484 2802536 Fax : 0484 2802483
Emergency Telephone No. : 0484 2801583 Tele fax No. : 0484 2802483

2. COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms : Sellaite

CAS-No : 7783-40-6 EC-Index-No:----- EC –No:. 231-995-1
M : 62.31 g/mol Formula Hill : -----
Molecular formula (Hill): F₂Mg Molecular formula(struc.): Mg F₂

3. HAZARDS IDENTIFICATION : No evaluative data are available . A classification according to

categories of danger as specified in Directive 67/548/EEC and laid down in the legislation of the country concerned can therefore not be made. In this context, hazardous properties can therefore not be excluded .

4. FIRST AID MEASURES : After skin contact : Wash off with plenty of water.

Remove contaminated clothing.

After eye contact : Rinse out with plenty of water with the eyelid held wide open. Summon eye specialist if necessary.

After inhalation : Fresh air.

After swallowing : Make victim drink plenty of water. Induce vomiting, summon doctor..

5. FIRE – FIGHTING MEASURES : Suitable extinguishing media : Inadaption to materials stored in the immediate neighbourhood..



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Special risks : Ambient fire may liberate hazardous vapours. The following may develop in event of fire : hydrogen fluoride.

Special protective equipments for fire fighting: Do not stay in dangerous zone without suitable chemical protection clothing and self-contained breathing apparatus.

Other information: Non- combustible. Prevent fire-fighting water from entering surface water or ground water.

6. ACCIDENTAL RELEASE MEASURES : Person-related precautionary measures :
Avoid generation of dusts; do not inhale dusts.
Environmental –protection measures:
Do not allow to enter sewerage system .
Procedures for cleaning/absorption : Take up dry. Forward for disposal.
Clean up effected area. Avoid generation of dusts.

7. HANDLING AND STORAGE: Handling : No further requirements.
Storage : Tightly closed . Dry.
Storage temperature : No restrictions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection : Required when dusts are generated

Hand protection : Required

Eye protection : Required

Protective clothing should be selected specifically For the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.



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Industrial hygiene : Change contaminated clothing .Application of skin – protective barrier cream recommended . Wash hands after working with substance. Change contaminated clothing. Wash hands after working with substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	Granules
Colour	:	Colourless to white
Odour	:	Odourless
pH value	:	Not available
Melting temperature	:	1266°C
Boiling temperature	:	2239°C
Ignition temperature	:	Not available
Flash point	:	Not available.
Explosion limits lower	:	Not available
Upper	:	Not available
Density (20°C)	:	3.13 g/cm ³
Solubility in water(20°C)	:	Almost insoluble
Ethanol (20oC)	:	In soluble

10. STABILITY AND REACTIVITY : Conditions to be avoided : None

Substance to be avoided : Acids(Formed could be: hydrogen fluoride)..

Hazardous decomposition products : None. In the event of fire: See chapter 5.

11. TOXICOLOGICAL INFORMATION

Acute toxicity :

Quantitative data on the toxicity of this product are not available.



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Further toxicological information : The data available to us do not suffice to permit any industrial – toxicological assessment

When dusts are generated : After inhalation : Irritations of the mucous membranes, coughing and dyspnoea.

Further data: Hazardous properties cannot be excluded. But are relatively improbable due to the compounds poor water solubility.

12. ECOLOGICAL INFORMATION:

Ecotoxic effects : The following applies to magnesium compounds

in general : lethal for fish 100-400 mg/l. The following applies to inorganic fluorides in general : biological effects : fish : *L. idus* LC₅₀ 660mg/l; bacteria : *Ps. Putida* toxic as from 231 mg/l ; algae : *Sc. quardicauda* toxic as from 249 mg/l ; protozoa : *E. sulcatum* toxic as from 101 mg/l ; *U. parduczi* toxic as from 71 mg/l (all values as NaF). Hazard from drinking water.

Further ecologic data: No ecological problems are to be expected when the product is handled and used with due care and attention.

13. DISPOSAL METHOD

Chemicals must be disposed of in compliance with the respective national regulations. Under [www. retrologistik. de](http://www.retrologistik.de) you will find country- and substance-specific information as well as contact partners.

Nice product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system. Under [www. retrologistik.de](http://www.retrologistik.de) you will find special information on the respective national conditions as well as contact partners.



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14. TRANSPORT INFORMATION : Not subject to transport regulations.

15. REGULATORY INFORMATION :

Labelling according to EC Directives

Symbol : ----
R-phrases : ----
S-phrases : 22.25 Do not breathe dust. Avoid contact with eyes.
Water pollution class : ----

16. OTHER INFORMATION

General update.

Regional representation :

The information is given on the authorised Safety Data Sheet for your country.

The information contained here in is based on the present state of our knowledge.
It characterizes the product with regard to the appropriate safety precautions. It
does not represent a guarantee of the properties of the product.
