



ANTIBLOCKING AGENT

Grade Name: SIMA-100

1 Identification of the substance/mixture and of the company/undertaking

Product details

Trade name : **Antiblocking Agent**
Registration number : 05-2114565790-42-0000 (Pre-Registration Number)

Application of the substance / the preparation

Used in many industries like paper making, plastics, paint and coatings, rubber, food.

Used in ceramics industry in both bodies and glazes.

Used as food additive or in pharmaceutical products as a glidant.

Manufacturer/Supplier : Nimbasia Stabilizers, F-172(A&B), F-173
Indraprastha Industrial Area
KOTA-324 005 (Rajasthan) India
Phone No. +91 744 2980970
Fax No.

Further information obtainable from : Mr. Pramod Mittal
info@nimbasia.com, nimbasia@bsnl.in

Information in case of emergency:

Contact details of European importer

Emergency telephone number :

Telephone number of EU importer :

Opening hours:

Other Comments (e.g. language(s) of the phone service) : English

2 Hazards identification

Classification of the substance or mixture

Classification according to : Void

Regulation (EC) No 1272/2008

Classification according to : Not applicable.

Directive 67/548/EEC or

Directive 1999/45/EC

Information concerning particular : Not applicable.

hazards for human and

environment

Label elements

Labelling according to Regulation (EC) No 1272/2008	: Void
Hazard pictograms	: Void
Signal word	: Void
Hazard-determining components of labelling	: Void
Hazard statements	: Void
Labelling according to EU guidelines	: The substance is not subject to classification according to EU lists and other sources of literature known to us. Observe the general safety regulations when handling chemicals.

3 Composition/information on ingredients

Chemical characterization:

CAS No. Description : 14807-96-6 Antiblocking Agent

Identification number(s):

EINECS Number : 238-877-9

Additional information:

Chemical Formula : $(Mg_3H_2(SiO_3)_4)$

Molecular weight : 379.27

4 First aid measures

General information : Consult a physician. Show this safety data sheet to the doctor in attendance

After inhalation:

If breathed in, move person into fresh air. If not breathing give artificial respiration

Consult a physician.

After skin contact : Wash off with soap and plenty of water.
Consult a physician.

After eye contact : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

After swallowing : Never give anything by mouth to an unconscious person. Rinse mouth with water.

Information for doctor : Treat symptomatically and supportively.

The following symptoms may occur:

Inhalation : Harmful if inhaled. Causes respiratory tract irritation.

Skin : May be harmful if absorbed through skin. May cause skin irritation.

Eyes : May cause eye irritation.

Ingestion : May be harmful if swallowed.

5 Firefighting measures

Suitable extinguishing agents	: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
For safety reasons unsuitable extinguishing agents	: Extinguishing media should not contain oxidising agents.
Special hazards caused by the substance, its products of combustion or resulting gases	: Hazardous decomposition products formed under fire conditions are magnesium oxide, silicon oxides.
Protective equipment	: Wear self contained breathing apparatus for firefighting if necessary.

6 Accidental release measures

Person-related safety precautions	: Use personal protective equipment. Avoid breathing dust. Ensure adequate ventilation. Avoid formation of dust and aerosols.
Measures for environmental protection	: Do not allow product to reach sewage system or any water course.
Measures for cleaning/collecting	: Dispose contaminated material as waste according to item 13.
Additional information	: See Section 8 for information on personal protection equipment.

7 Handling and storage

Handling:

Information for safe handling	: Wear self contained breathing apparatus for firefighting if necessary. Avoid contact with eyes and skin.
Information about fire - and explosion protection	: Keep ignition sources away - Do not smoke.

Storage:

Requirements to be met by storerooms and receptacles	: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. Store in a tightly closed container.
Information about storage in one common storage facility	: Store away from oxidizing agents.
Further information about storage conditions	: Store in cool place and well ventilated place.

Specific applications

Used in many industries like paper making, plastics, paint and coatings, rubber, food.

Used in ceramics industry in both bodies and glazes.

Used as food additive or in pharmaceutical products as a glidant.

8 Exposure controls/personal protection

Additional information about design of technical facilities : No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace : Not required.

Personal protective equipment:

General protective and hygienic measures : The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection : Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves : The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material : The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed

Eye protection : Safety glasses

9 Physical and chemical properties

General Information

Appearance :

Form : Solid

Colour : Light grey

Odour : Odourless

Change in condition

Melting point/Melting range : ≥ 1520 degree C (Melting Temperature given for pure talc; minerals associated or impurities can reduce the melting point by 1 - 300 degree)

Boiling point/Boiling range	: Undetermined.
Flash point	: Non flammable
Flammability (solid, gaseous)	: Product is not flammable.
Danger of explosion	: Product does not present an explosion hazard.
Density at 20°C	: 2.57 - 2.83 g/cm ³

Solubility in / Miscibility with

Water	: Insoluble.
Additional information:	
Solubility	: Sparingly soluble in acetone, slightly soluble in methanol and isopropyl acetate, very slightly soluble in ethanol, practically insoluble in octanol.

10 Stability and reactivity

Thermal decomposition / conditions to be avoided : No decomposition if used according to specifications.

Materials to be avoided	: Avoid contact with strong oxidizing agents.
Dangerous reactions	: No dangerous reactions known.
Dangerous decomposition products	: Hazardous decomposition products formed under fire conditions are magnesium oxide, silicon oxides.

11 Toxicological information

Acute toxicity:

Primary irritant effect:

On the skin	: May cause mild skin irritation.
On the eye	: May cause mild eye irritation.
Sensitization	: No sensitizing effects known.

Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us. The substance is not subject to classification according to the latest version of the EU lists.

Acute effects (acute toxicity, irritation and corrosivity)

Skin Irritation	: Skin - Human - Mild skin irritation - 3 h
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CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

CAS No. 14807-96-6

Carcinogenicity Studies:

Species	: Mouse
Strain/Sex	: B6C3F1/Male
Route	: Inhalation
Dose	: 0; 6; 18 MG/M3 6 HR/D 5 D/WK FOR 103-104 WK (Study duration: 106 WK)
Results	: Negative

Mutagenicity Studies:

Test System	: Ames Salmonella Typhimurium
Strain Indicator	: TA97
Metabolic Activation	: None
Method	: Preincubation
Dose	: 0-10 MG/Plate (Test material solvent: DMSO)
Results	: Negative

12 Ecological information

Ecotoxic effects:

Acquatic toxicity	: LC50 (24 hr) >100 g/l (Brachydanio rerio (Fish, Freshwater))
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Additional ecological information:

General notes:

Avoid transfer into the environment.

Generally not hazardous for water

Results of PBT and vPvB assessment

To be provided after the REACH registration.

13 Disposal considerations

Product:

Recommendation Smaller quantities can be disposed of with household waste.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

14 Transport information

Land transport ADR/RID: (cross-border)

ADR/RID class	: -
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Maritime transport IMDG:

IMDG Class	: -
Marine pollutant	: No

Air transport ICAO-TI and: IATA-DGR

ICAO/IATA Class	: -
UN "Model Regulation"	: -

15 Regulatory information

Chemical safety assessment

A Chemical Safety Assessment has not been carried out and shall be available at the time of REACH registration.

National regulations:

Other regulations, limitations and prohibitive regulations : Not applicable

Substances of very high concern (SVHC) according to REACH, Article 57 : The substance is not listed as SVHC.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing MSDS : Product safety department.

Contact : Mr. Pramod Mittal

Abbreviations and acronyms:

ADR : Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID : Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG : International Maritime Code for Dangerous Goods

IATA : International Air Transport Association

IATA-DGR : Dangerous Goods Regulations by the "International Air Transport Association"

(IATA) ICAO : International Civil Aviation Organization

ICAO-TI : Technical Instructions by the "International Civil Aviation Organization"

(ICAO) EINECS : European Inventory of Existing Commercial Chemical Substances

CAS : Chemical Abstracts Service (division of the American Chemical Society)

Sources

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/ EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

IUCLID Dataset

<http://ecb.jrc.ec.europa.eu/IUCLID-DataSheets/14807966.pdf>

Hazardous Substances Data Bank (HSDB)

<http://toxnet.nlm.nih.gov/cgi-bin/sis/search/f?./temp/~9Gv95v:1>

SVHC List from European Chemical Agency (ECHA) Site

http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp

MSDS of Sigma Aldrich company Ltd.

<http://www.sigmaaldrich.com/catalog/DisplayMSDSContent.do>

MSDS of Science Stuff Inc.

<http://www.sciencestuff.com/msds/C2842.html>

Data compared to the previous version altered.

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