

MATERIAL SAFETY DATA SHEET

ACCORDING TO 1907/2006/EC, ARTICLE 31

NATURA POWDER RR

PRINTING DATE: 01/08/2011

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01. Identification of the substance/mixture and of the company/undertaking

Product identifier

Trade name: Natura Powder RR

Relevant identified uses of the substance or mixture and uses advised against

Application of the substance / the preparation:

SU11 Manufacture of rubber products

SU12 Manufacture of plastics products, including compounding and conversion

Details of the supplier of the material safety data sheet

Manufacturer/Supplier:

J & S Technik AG

Walke 23

CH 9100 Herisau

Phone 0041 713 548 403 (Mo-Th 8 a.m. to 5 p.m., Fr 8 a.m. to 4 p.m.)

www.js-technik-ag.ch

info@js-technik-ag.ch

02. Hazards identification

Classification of the substance or mixture

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Not applicable.

Information concerning particular hazards for human and environment:

The product does not have to be labelled due to the calculation procedure of the „General Classification guideline for preparations of the EU“ in the latest valid version.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

Label elements

Labelling according to EU guidelines:

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

Special labelling of certain preparations:

Safety data sheet available for professional user on request.

Other hazards

Results of PBT and vPvB assessment

PBT: No

vPvB: No

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03. Composition/information on ingredients

Chemical characterization: Mixtures

Description:

CAS: 112926-00-8 Amorphous silica < 20.0%

EINECS: 231-545-4

CAS: 8061-54-9 Magnesium lignosulfonate, liquid (30-60%) < 15.0%

Polymer

CAS: 1310-73-2 sodium hydroxide C R35 < 0.5%

EINECS: 215-185-5

Index number: 011-002-00-6

Dangerous components: Void

Additional information: For the wording of the listed risk phrases refer to section 16.

04. First aid measures

Description of first aid measures

General information: Take affected persons out of danger area and lay down.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. Remove contact lenses, if present and easy to do. Continue rinsing.

After swallowing:

Rinse out mouth and then drink plenty of water. If symptoms persist consult doctor.

Information for doctor

Most important symptoms and effects, both acute and delayed

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

05. Firefighting measures

Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: Water with full jet

Special hazards arising from the substance or mixture:

Formation of toxic gases is possible during heating or in case of fire.

In case of fire, the following can be released:

Carbon monoxide

Carbon dioxide

Sulphur dioxide (SO₂)

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Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device.

Additional information:

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

06. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation

Avoid formation of dust.

Keep away from ignition sources.

Wear protective clothing.

Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Pick up mechanically.

Dispose of the material collected according to regulations.

Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

07. Handling and storage

Handling

Precautions for safe handling:

Prevent formation of dust.

Any unavoidable deposit of dust must be regularly removed. Ensure good ventilation/exhaustion at the workplace.

Information about fire and explosion protection:

Dust can combine with air to form an explosive mixture.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles:

Store only in the original receptacle.

Information about storage in one common storage facility:

Store away from oxidizing agents.

Further information about storage conditions: Store in dry conditions.

Specific end use(s): No further relevant information available.

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08. Exposure controls/personal protection

Control parameters

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Do not eat or drink while working.

Keep away from foodstuffs, beverages and feed.

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Not necessary if room is well-ventilated.

Protection of hands:

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

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Butyl rubber, BR

Nitrile rubber, NBR PVC gloves

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

Body protection:

Protective work clothing

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09. Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance

Form:	Powder
Colour:	Light brown
Odour:	Aromatic
Odour threshold:	Not determined.
pH-value at 20°C:	7.5 +/- 0.5
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
Flash point:	Undetermined.
Flammability (solid, gaseous):	Not determined.
Ignition temperature:	400°C
Self-igniting:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure:	Not applicable.
Density at 20°C:	1.24 +/- 0.02 g/cm ³
Relative density:	Not determined.
Vapour density:	Not applicable.
Evaporation rate:	Not applicable.
Solubility in / Miscibility with	
water:	Slightly soluble.
Segregation coefficient (n-octanol/water):	Not determined.
Viscosity	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
Other information:	No further relevant information available.

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10. Stability and reactivity

Reactivity

Chemical stability:

No decomposition if used and stored according to specifications.

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

Possibility of hazardous reactions:

No dangerous reactions known.

Conditions to avoid:

No further relevant information available.

Incompatible materials:

Reacts with strong acids

Hazardous decomposition products:

No dangerous decomposition products known.

11. Toxicological information

Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:

8061-54-9 Magnesium lignosulfonate, liquid (30-60%)

Oral LD50 >5000 mg/kg (Rat)

1310-73-2 sodium hydroxide

Oral LD50 2000 mg/kg (Rat)

Primary irritant effect:

on the skin:

No irritant effect.

on the eye:

No irritating effect.

Sensitization: No sensitizing effects known.

Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

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12. Ecological information

Toxicity

Acquatic toxicity:

8061-54-9 Magnesium lignosulfonate, liquid (30-60%)

EC50 (3h) >1000 mg/l (Bacteria)

NOEC 100 mg/l (Algae)
1000 mg/l (Bacteria)
100 mg/l (Daphnia)

1310-73-2 sodium hydroxide

LC50 (48h) 133 mg/l (Fish)

Persistence and degradability: The organic component of the product is biodegradable.

Behaviour in environmental systems:

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Additional ecological information

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment

PBT: No

vPvB: No

Other adverse effects No further relevant information available.

13. Disposal considerations

Waste treatment methods

Recommendation: Must be specially treated adhering to official regulations.

Uncleaned packaging

Recommendation: Disposal must be made according to official regulations.

14. Transport information

Land transport ADR/RID (cross-border)

ADR/RID class: Not classified

Maritime transport IMDG:

IMDG Class: Not classified

Marine pollutant: No

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: Not classified

Special precautions for user: Not applicable.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

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15. Regulatory information

Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

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.