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[In accordance with the criteria of Regulation No 1907/2006 (REACH) as amended]

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

1.1 Product identifier

Rotomag N

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

Relevant identified uses: protective colloid designed for reduction of the saline wash bath filtration, especially efficient in the presence of magnesium ions.

Uses advised against: not determined.

1.3 Details of the supplier of the safety data sheet

Producer: **Przedsiębiorstwo Przemysłu Ziemniaczanego SA w Niechlowie**

Address: 56-215 Niechlów, ul. Przemysłowa 8, Poland

Telephone number /Fax: +48 65 543 56 26

E-mail address for a competent person responsible for SDS: grabowski@ppz-niechlow.pl

1.4 Emergency telephone number

112

Robert Galiński, e-mail: galinski@ppz-niechlow.pl, tel: +48 65 543 56 26 to 28 extension 214

Section 2: Hazards identification

2.1 Classification of the substance or mixture

This product is not classified as hazardous for human life and health and for the environment.

2.2 Label elements

Hazard pictograms and signal words

None.

Hazard statements

None.

Precautionary statements

None.

2.3 Other hazards

Product does not contain ingredients, which meet criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

Section 3: Composition/information on ingredients

3.1 Substances

Not applicable.


3.2 Mixtures

Mixture is made of modified starch preparation obtained from processing the starch with the addition of water glass and magnesium and sodium compounds. Magnesium salts dominate in Rotomag N.

Section 4: First aid measures

4.1 Description of first aid measures

Skin contact: take off contaminated clothes. Wash skin with plenty of cool, running water. Consult a doctor, if worrisome symptoms occur.

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Eye contact: remove any contact lenses. Immediately wash out an eye with plenty of water with the eyelid hold wide open, for at least 15 min. Protect not irritated eye. Consult a doctor, if worrisome symptoms occur.

Ingestion: rinse mouth with water. Consult a doctor, if worrisome symptoms occur.

Inhalation: remove to fresh air. Keep warm and calm. Consult a doctor, if worrisome symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

Eye contact: mechanical irritation, redness, tearing.

Skin contact: dryness and redness in case of prolonged exposure.

Inhalation: adverse health effects are not expected.

Ingestion: adverse health effects are not expected.

4.3 Indication of any immediate medical attention and special treatment needed

Physician makes a decision regarding further medical treatment after thoroughly examination of the injured. Treat symptomatically.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: water, extinguishing powders, foam, carbon dioxide. Use extinguishing media appropriate to the burning materials in the surroundings.

Unsuitable extinguishing media: water jet – risk of the propagation of the flame.

5.2 Special hazards arising from the substance or mixture

May produce toxic fumes, vapours and gases of carbon oxides if burning. Do not inhale combustion products – they can be dangerous for health.

5.3 Advice for firefighters

Personal protection typical in case of fire. Do not stay in the fire zone without self-contained breathing apparatus and protective clothing resistant to chemicals.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Limit the access for the outsiders into the breakdown area, until the suitable cleaning operations are completed. In case of large spills, isolate the affected area. Ensure adequate ventilation. Wear adequate personal protective equipment. Avoid skin and eyes contamination.

6.2 Environmental precautions

In case of release of large amounts of the product, it is necessary to take appropriate steps to prevent it from spreading into the environment. Notify relevant emergency services.


6.3 Methods and material for containment and cleaning up

Collect mechanically and treat it as a waste. Clean contaminated surface.

6.4 Reference to other sections

Appropriate conduct with product wastes – section 13.

Appropriate personal protective equipment – section 8.

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Section 7: Handling and storage

7.1 Precautions for safe handling

Handle in accordance with good occupational hygiene and safety practices. Avoid skin and eyes contamination. Ensure adequate ventilation. Wash hands before break and after work. Keep unused containers closed tightly. Use as directed.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original, tightly closed containers, in cool, dry and well-ventilated place. Keep away from foodstuffs and animal feed. Protect from water and humidity.

7.3 Specific end use(s)

No information about uses other than mentioned in subsection 1.2.

Section 8: Exposure controls/personal protection

8.1 Control parameters

For substances contained in the product are not defined any occupational exposure limit values at working place in Community. Please check any national occupational exposure limit values in your country (Legal Basis: Commission directive 2000/39/EC.).

8.2 Exposure controls

Use the product in accordance with good occupational hygiene and safety practices. When handlings do not eat, drink or smoke. Before break and after work wash hands. Provide effective local ventilation at the workplace. Avoid contact with eye.

Hand and body protection

Gloves and protective clothing are recommended in case of prolonged contact.

Eye protection

Safety glasses are recommended in case of prolonged contact.

Respiratory protection

Not required if adequate ventilation is ensured.

Personal protective equipment must meet requirements of directive 89/686/CE. Employer is obliged to ensure equipment adequate to activities carried out, with quality demands, cleaning and maintenance.


Environmental exposure controls

Avoid release to the environment, do not enter the sewage system. Any emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

physical state/form:	solid/small flakes
colour:	cream
odour:	odourless
odour threshold:	not determined
pH (solution):	9-10
melting point/freezing point:	not determined
initial boiling point and boiling range:	not applicable
flash point:	not applicable
evaporation rate:	not applicable
flammability (solid, gas):	non-flammable

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upper/lower flammability or explosive limits:	not determined
vapour pressure:	not determined
vapour density:	not determined
density:	not determined
solubility(ies):	soluble in cold water
partition coefficient: n-octanol/water:	not determined
auto-ignition temperature:	not determined
decomposition temperature:	not determined
explosive properties:	not display
oxidising properties:	not display
viscosity (solution):	not determined

9.2 Other information

humidity:	max. 10%
thermal resistance:	+ 120°C

Section 10: Stability and reactivity

10.1 Reactivity

The product does not polymerize, see also 10.3-10.5.

10.2 Chemical stability

The product is stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions are not known.

10.4 Conditions to avoid

Avoid moisture.

10.5 Incompatible materials

Water.

10.6 Hazardous decomposition products

Not known.

Section 11: Toxicological information

11.1 Information on toxicological effects

Information regarding acute and/or delayed results of the exposure was defined on the basis of the information on product's classification and/or toxicological studies as well as the experience and knowledge of the manufacturer.

Acute toxicity

Based on available data, the classification criteria are not met.

Skin corrosion/irritation


Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Based on available data, the classification criteria are not met.

Respiratory or skin sensitization

Based on available data, the classification criteria are not met.

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Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Section 12: Ecological information

12.1 Toxicity

Product is not classified as hazardous for the environment.

12.2 Persistence and degradability

Product is easily biodegradable.

12.3 Bioaccumulative potential

Bioaccumulation is not expected.

12.4 Mobility in soil

Mobility of components of the mixture depends on the hydrophilic and hydrophobic properties and biotic and abiotic conditions of soil, including its structure, climatic conditions, seasons and soil organisms.

12.5 Results of PBT and vPvB assessment

Not applicable.

12.6 Other adverse effects

Product is not classified as hazardous to the ozone layer. Consider other harmful effects of individual components of the mixture on the environment (eg, endocrine disrupting potential, global warming potential).


Section 13: Disposal considerations

13.1 Waste treatment methods

Disposal methods for the product: disposal in accordance with the local legislation. Store product wastes in original containers. Recycling is preferable. Waste code should be given at the place of manufacture.

Disposal methods for used packing: reuse/recycling/liquidation of empty containers should be carried out in accordance with the local legislation. Only completely emptied packaging can be recycled.

Legal basis: Directive 2008/98/EC, 94/62/EC.

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Section 14: Transport information

14.1 UN number

Not applicable, product is not classified as dangerous during transport.

14.2 UN proper shipping name

Not applicable.

14.3 Transport hazard class(es)

Not applicable.

14.4 Packing group

Not applicable.

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for user

Not required.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable.

Section 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC as amended.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 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 (Text with EEA relevance) as amended.

Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

15.2 Chemical safety assessment

Chemical safety assessment for mixture is not obligatory.


Section 16: Other information

Clarification of aberrations and acronyms

PBT Persistent, Bioaccumulative and Toxic substance
vPvB very Persistent, very Bioaccumulative substance

Trainings

Before commencing working with the product, the user should learn the Health & Safety regulations, regarding handling chemicals, and in particular, undergo a proper workplace training.

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Other data

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 Composed by: mgr inż. Kinga Wasilewska (on the basis of producer's data).
 Safety Data Sheet made by: „**THETA**” Technical Consulting

This SDS annuls and replace all previous versions.

The information above is based on a current available data concerning the product, but also on the experience and knowledge in this field of the producer. They are neither a quality description of the product nor a guarantee of particular features. They are to be treated as aid to safety in transport, storage and usage of the product. That does not free the user from the responsibility of improper usage of the information above and also of improper compliance with the law norms in the field.