

# SAFETY DATA SHEET

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Trade name**

Egusin SLH

**Product no.**

-

**REACH registration number**

Not applicable

**Other means of identification**

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

**Relevant identified uses of the substance or mixture**

NA

**Uses advised against**

-

The full text of any mentioned and identified use categories are given in section 16

### 1.3. Details of the supplier of the safety data sheet

**Company and address**

R2 Agro A/S  
Odinsvej 25  
DK-8722 Hedensted  
tlf: +45 76741200  
fax: +45 75890828

**Contact person**

Jan Skov Nørby/ Annemette Rasmussen

**E-mail**

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**SDS date**

02-01-2014

**SDS Version**

1.1

### 1.4. Emergency telephone number

Use your national or local emergency number  
See section 4 "First aid measures"

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

This product is not classified as dangerous.  
See full text of H/R-phrases in section 2.2.

**DPD/DSD Classification**

-

-

### 2.2. Label elements

**Hazard pictogram(s)**

-

**Signal word**

-

**Hazard statement(s)**

-

**Identity of the substances primarily responsible for the major health hazards**

-

<b>Safety statement(s)</b>	General	-
	Prevention	-

Response -  
 Storage -  
 Disposal -

### 2.3. Other hazards

#### Additional labelling

Safety data sheet available on request.

#### Additional warnings

-

#### VOC

-

## SECTION 3: Composition/information on ingredients

### 3.1/3.2. Substances

NAME: Natriumbikarbonat  
 IDENTIFICATION NOS.: CAS-no: 144-55-8 EC-no: 206-633-8  
 CONTENT: 1-5%  
 DSD CLASSIFICATION: -  
 CLP CLASSIFICATION: -

NAME: Calciumcarbonat  
 IDENTIFICATION NOS.: CAS-no: 471-34-1 EC-no: 207-439-9 Index-no: 207-439-9  
 CONTENT: 1-5%  
 DSD CLASSIFICATION: -  
 CLP CLASSIFICATION: -

NAME: magnesiumoxid  
 IDENTIFICATION NOS.: CAS-no: 1309-48-4 EC-no: 215-171-9  
 CONTENT: 1-5%  
 DSD CLASSIFICATION: -  
 CLP CLASSIFICATION: -

NAME: Ethoxyquin  
 IDENTIFICATION NOS.: CAS-no: 91-53-2  
 CONTENT: <0.1%  
 DSD CLASSIFICATION: -  
 CLP CLASSIFICATION: -

NAME: Propyl 3,4,5- trihydroxybenzoate  
 IDENTIFICATION NOS.: CAS-no: 121-79-9  
 CONTENT: <0.01%  
 DSD CLASSIFICATION: Xn;R22 Xi;R43  
 CLP CLASSIFICATION: Acute tox. 4, Skin Sens. 1  
 H302, H317

NAME: Phosphersyre 75%  
 IDENTIFICATION NOS.: CAS-no: 7664-38-2 EC-no: 231-633-2 REACH-no: 02-2119675273-35-0000  
 CONTENT: <0.01%  
 DSD CLASSIFICATION: C;R34  
 CLP CLASSIFICATION: Skin Corr. 1B  
 H314

(\*) See full text of H/R-phrases in chapter 16. Occupational limits are listed in section 8, if these are available.

### Other informations

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet.  
 Contact a doctor, if in doubt about the injured person's condition or if the symptoms continue. Never give an unconscious person water or similar.

#### Inhalation

Get the person into fresh air and stay with them.

#### Skin contact

Remove contaminated clothing and shoes at once. Skin that has come in contact with the material must be washed thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

#### **Eye contact**

Remove contact lenses. Flush eyes immediately with plenty of water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. If irritation continues, contact a doctor.

#### **Ingestion**

Give the person plenty to drink and stay with the person. If the person feels unwell, contact a doctor immediately and take this safety data sheet or the label from the product with you. Do not induce vomiting unless recommended by the doctor. Hold head facing down so that no vomit runs back into the mouth and throat.

#### **Burns**

Rinse with water until the pain stops and continue for 30 minutes.

#### **4.2. Most important symptoms and effects, both acute and delayed**

Sensitivity effects: This product contains substances which can give an allergic reaction on contact with skin. The allergic reaction will typically set in 12-72 hours after exposure as the substance penetrates the skin and reacts with proteins in the outer skin. The body's immune system sees the chemically changed protein as a foreign body and will try to destroy it.

#### **4.3. Indication of any immediate medical attention and special treatment needed**

No special

#### **Information to medics**

Bring this safety data sheet.

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Water jets should not be used, since they can spread the fire.

#### **5.2. Special hazards arising from the substance or mixture**

If the product is exposed to high temperatures, as in the case of fire, dangerous catabolic substances are produced. These are: Some metal oxides. Fire will result in thick black smoke. Exposure to catabolic products can damage your health. Fire fighters should use proper protection gear. Closed containers, which are exposed to fire, should be cooled with water. Do not let fire-extinguishing water run into sewers and other water courses.

#### **5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact.

### **SECTION 6: Accidental release measures**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

No specific requirements.

#### **6.2. Environmental precautions**

No specific requirements.

#### **▼ 6.3. Methods and material for containment and cleaning up**

Sweep up spills carefully. Use water sprays or ventilated evacuation systems to prevent dust. Cleaning should be done as far as possible using normal cleaning agents. Solvents should be avoided.

#### **6.4. Reference to other sections**

See section on "Disposal" with regard to the handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

### **SECTION 7: Handling and storage**

#### **7.1. Precautions for safe handling**

See section on 'Exposure controls/personal protection' for information on personal protection.

#### **7.2. Conditions for safe storage, including any incompatibilities**

Always store in containers of the same material as the original.

#### **Storage temperature**

NA

#### **7.3. Specific end use(s)**

This product should only be used for applications described in Section 1.2

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**OEL**

magnesiumoxid (EH40/2005)  
 Long-term exposure limit (8-hour TWA reference period): - ppm | - mg/m3  
 Short-term exposure limit (15-minute reference period): - ppm | - mg/m3

**DNEL / PNEC**

DNEL (Phosphersyre 75%): 2,92mg/m3 - Exposure: Inhalation - Duration: Long term – Local effects - Workers  
 DNEL (Phosphersyre 75%): 0,73mg/m3 - Exposure: Inhalation - Duration: Long term – Local effects - General population

**8.2. Exposure controls**

Compliance with the stated exposure limits values should be checked on a regular basis.

**General recommendations**

Smoking, consumption of food or liquid, and storage of tobacco, food or liquid, are not allowed in the workroom.

**Exposure scenarios**

If there is an appendix to this safety data sheet, the indicated exposure scenarios must be complied.

**Exposure limits**

Trade users are covered by the rules of the working environment legislation on maximum concentrations for exposure. See work hygiene threshold values below.

**Appropriate technical measures**

Airborne gas and dust concentrations must be kept as low as possible and below the current threshold values (see below). Use for example an exhaust system if the normal air flow in the work room is not sufficient. Make sure that eyewash and emergency showers are clearly marked.

**Hygiene measures**

Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed. Always wash hands, forearms and face.

**Measures to avoid environmental exposure**

No specific requirements.

**Individual protection measures, such as personal protective equipment**



**Generally**

Only CE-marked personal protection equipment should be used.

**Respiratory Equipment**

No specific requirements.

**Skin protection**

No specific requirements.

**Hand protection**

: . . Breakthrough time: See the manufacturer's instructions

**Eye protection**

No specific requirements.

**SECTION 9: Physical and chemical properties**

**▼9.1. Information on basic physical and chemical properties**

Form	Colour	Odour	pH	Viscosity	Density (g/cm3)
Solid	NA	NA	-	-	-

**Phase changes**

Melting point (°C)	Boiling point (°C)	Vapour pressure (mm Hg)
-	-	-

**Data on fire and explosion hazards**

Flashpoint (°C)	Ignition (°C)	Self ignition (°C)
-	-	-
Explosion limits (Vol %)	Oxidizing properties	
-	-	
<b>Solubility</b>		
Solubility in water	n-octanol/water coefficient	
Soluble	-	
<b>9.2. Other information</b>		
Solubility in fat	Additional information	
-	N/A	

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

The product is stable under the conditions, noted in the section on "Handling and storage".

### 10.3. Possibility of hazardous reactions

No special

### ▼ 10.4. Conditions to avoid

No special

### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidising agents, and strong catabolic agents.

### 10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

Substance	Species	Test	Route of exposure	Result
magnesiumoxid	Rabbit	LD50	Dermal	>2000 mg/kg
magnesiumoxid	Rat	LD50	Oral	>5000 mg/kg
Natriumbikarbonat	Rat	LD50	Oral	4220 mg/kg
Calciumcarbonat	Rat	LD50	Oral	6450mg/kg
Propyl 3,4,5- trihydroxybenzoa...	Rat	LD50	Oral	3,8 g/kg
Ethoxyquin	Rat	LD50	Oral	1920 mg/kg
Phosphersyre 75%	Rabbit	LD50	Dermal	2740mg/kg
Phosphersyre 75%	Rat	LD50	Oral	1530mg/kg
Phosphersyre 75%	Rat	LC50	Inhalation	>840mg/m3/1h

#### Skin corrosion/irritation

No data available.

#### Serious eye damage/irritation

No data available.

#### Respiratory or skin sensitisation

No data available.

#### Germ cell mutagenicity

No data available.

#### Carcinogenicity

No data available.

#### Reproductive toxicity

No data available.

#### STOT-single exposure

No data available.

#### STOT-repeated exposure

No data available.

#### Aspiration hazard

No data available.

#### Long term effects

Sensitivity effects: This product contains substances which can give an allergic reaction on contact with skin. The allergic reaction will typically set in 12-72 hours after exposure as the substance penetrates the skin and reacts with proteins in the outer skin. The body's immune system sees the chemically changed protein as a foreign body and will try to destroy it.

**SECTION 12: Ecological information**

**12.1. Toxicity**

Substance	Species	Test	Test duration	Result
Natriumbikarbonat	Fish	LC50	96 h	8250 mg/l
Natriumbikarbonat	Fish	LC50	96 h	7550 mg/l
Natriumbikarbonat	Daphnia	EC50	48 h	2350 mg/l
Calciumcarbonat	Fish	LC50	96 h	>5600 mg/l
Phosphersyre 75%	Fish	LC50	96h	138 ppm
Phosphersyre 75%	Daphnia	EC50	48h	>100mg/l
Phosphersyre 75%	Algae	EC50	75h	>100mg/l

**12.2. Persistence and degradability**

Substance	Biodegradability	Test	Result
Calciumcarbonat	No	No data available	No data available

**12.3. Bioaccumulative potential**

Substance	Potential bioaccumulation	LogPow	BFC
magnesiumoxid	No	No data available	No data available

**12.4. Mobility in soil**

No data available

**12.5. Results of PBT and vPvB assessment**

No data available

**12.6. Other adverse effects**

This product contains substances which can cause undesirable long-term effects in the water environment, due to its poor biodegradability.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

This product is not covered by the regulations on dangerous waste.

**Waste**

EWC code

-

**Specific labelling**

-

**Contaminated packing**

No specific requirements.

**SECTION 14: Transport information**

Not listed as dangerous goods under ADR and IMDG regulations.

**14.1 – 14.4**

ADR/RID	14.1. UN number	14.2. UN proper shipping name	14.3. Transport hazard class(es)	14.4. Packing group			Notes
IMDG	UN-no.	Proper Shipping Name	Class	PG*	EmS	MP**	Hazardous constituent

**14.5. Environmental hazards**

-

**14.6. Special precautions for user**

-

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

No data available

(\*) Packing group

(\*\*) Marine pollutant

**SECTION 15: Regulatory information**

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

### Restrictions for application

-

### Demands for specific education

-

### Additional information

-

## 15.2. Chemical safety assessment

No

## SECTION 16: Other information'

### Sources

EC regulation 1907/2006 (REACH)

Directive 2000/532/EC

EC Regulation 1272/2008 (CLP)

### Full text of H/R-phrases as mentioned in section 3

R22 - Harmful if swallowed.

R34 - Causes burns.

R43 - May cause sensitisation by skin contact.

H302 - Harmful if swallowed.

H314 - Causes severe skin burns and eye damage.

H317 - May cause an allergic skin reaction.

### The full text of identified uses as mentioned in section 1

-

### Other symbols mentioned in section 2

-

### Other

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

A change (in proportion to the last essential change (first cipher in SDS version)) is marked with a blue triangle.

### The safety data sheet is validated by

Annemette Rasmussen

### Date of last essential change

#### (First cipher in SDS version)

02-01-2014

### Date of last minor change

#### (Last cipher in SDS version)

02-01-2014