

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



63440 Rice Starch

Page 1

Revised edition: 09.08.2016

Version: 3.1

Printed: 29.06.2017

1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

Product Name: Rice Starch

Article No.: 63440

1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:

Food additive

Uses advised against:

1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company: Kremer Pigmente GmbH & Co. KG

Address: Hauptstr. 41-47, 88317 Aichstetten, Germany

Tel./Fax.: Tel +49 7565 914480, Fax +49 7565 1606

Internet: www.kremer-pigmente.de

E-Mail: info@kremer-pigmente.de

Importer: --

1.4. Emergency No.

Emergency No.: +49 7565 914480 (Mon-Fri 8:00 - 17:00)

2. Hazards Identification

2.1. Classification of the Substance or Mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

This product does not require classification and labelling as hazardous according to CLP/GHS.

Classification according to Directive No. 67/548/EC or No. 1999/45/EC

The material is not subject to classification according to EC lists.

Safety Phrases:

Possible Environmental Effects:

2.2. Label Elements

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

No classification required according to the CLP/GHS guidelines.

Hazard designation:

Not applicable.

Signal word:

Hazard designation:

Safety designation:

Hazardous components for labelling:

2.3. Other Hazards

Composition/Information on Ingredients

next page: 2

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



63440 Rice Starch

Page 2

Revised edition: 09.08.2016

Version: 3.1

Printed: 29.06.2017

3.

3.1. Substance

3.2. Mixture

Chemical Characterization: *Synonym: Amylum Oryzae
Rice starch*

*Information on Components / Hazardous
Ingredients:*

Starch	100 %	CAS-Nr: 9005-25-8 EINECS-Nr: 232-679-6 EC-Nr:
--------	-------	---

Additional information:

Exempted from the mandatory REACH Registration.

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Take affected persons out into the fresh air.

After inhalation:

Supply fresh air.

After skin contact:

Wash off with plenty of water.

After eye contact:

*Rinse open eyes with plenty of water. In case of discomfort seek
medical help.*

After ingestion:

The product is not toxic.

4.2. Most important Symptoms and Effects, both Acute and Delayed

Symptoms:

No further information available.

Effects:

4.3. Indication of any Immediate Medical Attention and special Treatment needed

Treatment:

Treat symptomatically.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

CO2, extinguishing powder, water jet.

Unsuitable extinguishing media:

Water with full jet.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

May cause explosive dust-air-mixtures.

next page: 3

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



63440 Rice Starch

Page 3

Revised edition: 09.08.2016

Version: 3.1

Printed: 29.06.2017

In case of fire: formation of carbon monoxide and dioxide.

5.3. Advice for Firefighters

Protective equipment:

Wear suitable protective clothing.

Further information:

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Do not inhale dust. Avoid formation of dust.

6.2. Environmental Precautions

Environmental precautions:

No special measures required.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Clean up mechanically. Avoid dust formation.

6.4. Reference to other Sections

For information for safe handling see Section 7.

Protective clothing, see Section 8.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Avoid formation of dust. Do not inhale dust.

Hygienic measures:

Wash hands before breaks and after work.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in tightly sealed containers in a dry room.

Protect against humidity.

Requirements for storage areas and containers:

Keep container tightly closed.

Information on fire and explosion protection:

Risk of dust explosion.

ST1 Capable of dust explosion

Storage class (VCI):

10-13

Further Information:

7.3. Specific End Use(s)

Further information:

next page: 4

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



63440 Rice Starch

Page 4

Revised edition: 09.08.2016

Version: 3.1

Printed: 29.06.2017

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

General dust limit

Parameters to be controlled (DE):

Parameters to be controlled:

TLV: 10 mg/m³ (8h; BE); TWA: 3 mg/m³ (CH); TWA: 4 mg/m³ (CZ); VLA-ED: 10 mg/m³ (ES); TWA: 10 mg/m³ (UK); OELV-TWA: 4 mg/m³ (8h; IE); VLE-MP: 10 mg/m³ (PT)

Derived No-Effect Level (DNEL):

Predicted No-Effect Concentration (PNEC):

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Provide adequate ventilation in case of dust formation.

Personal Protection

General protective measures:

Wash hands before breaks and after work.

Respiratory protection:

Dust mask recommended when very dusty (with particle filter P1).

Hand protection:

Not required

Protective glove material:

Eye protection:

Not required.

Body protection:

Environmental precautions:

No special measures required.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form: powder

Color: white

Odor: odorless

Odor threshold: No information available.

pH-Value: 5 - 8 (10% H₂O; 20°C)

Melting temperature: not determined

Boiling temperature:

next page: 5

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



63440 Rice Starch

Page 5

Revised edition: 09.08.2016

Version: 3.1

Printed: 29.06.2017

not determined

Flash point:

not available

Evaporation rate:

not applicable

Flammability (solid, gas):

> 380°C

Upper explosion limit:

no information available

Lower explosion limit:

no information available

Vapor pressure:

not applicable

Vapor density:

No information available.

Density:

not available

Solubility in water:

insoluble
Thickens in hot water.

*Coefficient of variation (n-
Octanol/Water):*

not determined

Auto-ignition temperature:

No information available.

Decomposition temperature:

ca. 200°C

Viscosity, dynamic:

not applicable

Explosive properties:

Risk of dust explosion.

Oxidizing properties:

no information available

Bulk density:

300 - 600 kg/m³

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

next page: 6

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



63440 Rice Starch

Page 6

Revised edition: 09.08.2016

Version: 3.1

Printed: 29.06.2017

Minimum ignition energy: > 10 mJ

10. Stability and Reactivity

10.1. Reactivity

Stable if used according to specifications.

10.2. Chemical Stability

Stable if used according to specifications.

10.3. Possibility of Hazardous Reactions

Dust can form explosive mixtures with air.

10.4. Conditions to Avoid

Conditions to avoid:

Avoid humidity.

Avoid sources of heat, open fire, sparks and other ignition sources.

Thermal decomposition:

10.5. Incompatible Materials

Strong oxidizing agents.

10.6. Hazardous Decomposition Products

None known.

10.7. Further Information

11. Toxicological Information

11. 1. Information on Toxicological Effects

No toxicity expected.

Acute Toxicity

LD50, oral:

> 2000 mg/kg

LD50, dermal:

LC50, inhalation:

Primary effects

Irritant effect on skin:

No irritant effect known.

Irritant effect on eyes:

Particles can cause mechanical irritation.

Inhalation:

No irritant effect known.

Ingestion:

No irritant effect known.

Sensitization:

No sensitizing effects known.

Mutagenicity:

No mutagenic effects known.

Reproductive toxicity:

No relevant data found.

next page: 7

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



63440 Rice Starch

Page 7

Revised edition: 09.08.2016

Version: 3.1

Printed: 29.06.2017

Carcinogenicity:

No cancerogenic effect known.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

Single exposure: no organospecific toxicity expected.

Repeated exposure: the substance or mixture is not classified as specific target organ toxicant.

Additional toxicological information:

12. Ecological Information

12.1. Aquatic Toxicity

No toxicity expected.

Fish toxicity:

Daphnia toxicity:

Bacteria toxicity:

Algae toxicity:

12.2. Persistency and Degradability

No information available.

12.3. Bioaccumulation

No bioaccumulation expected (log P(o/w) 1-3).

12.4. Mobility

Product is not water soluble.

12.5. Results of PBT- und vPvP Assessment

On the basis of available data, the product does not contain and PBT or vPvB in percentage greater than 0.1 %.

12.6. Other Adverse Effects

Water hazard class:

Not hazardous.

Behaviour in sewage systems:

Further ecological effects:

AOX Value:

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

If product cannot be reused or recycled, it has to be disposed of according to current local regulations.

Smaller quantities can be disposed of with household waste.

European Waste Code (EWC):

Uncleaned packaging:

Waste Code No.:

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



63440 Rice Starch

Page 8

Revised edition: 09.08.2016

Version: 3.1

Printed: 29.06.2017

14. Transport Information

14.1. UN Number

ADR, IMDG, IATA

14.2. UN Proper Shipping Name

ADR/RID:

No hazardous goods according to ADR (land transportation).

IMDG/IATA:

No hazardous goods according to IMDG.

14.3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel restriction code:

IMDG Class (sea):

Hazard no.:

EmS No.:

IATA Class:

not applicable

Hazard no.:

14.4. Packaging Group

ADR/RID:

not applicable

IMDG:

IATA:

14.5. Environmental Hazards

None

14.6. Special Precautions for User

Not classified as a dangerous good under transport regulations.

14.7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

not applicable

14.8. Further Information

15. Regulatory Information

15.1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

0, not hazardous (German Regulation; Self-assessment)

Local regulations on chemical accidents:

Employment restrictions:

next page: 9

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



63440 Rice Starch

Page 9

Revised edition: 09.08.2016

Version: 3.1

Printed: 29.06.2017

Restriction and prohibition of application:

EC. REACH, Section XVII, Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles: not applicable

Technical instructions on air quality:

15. 2. Chemical Safety Assessment

A Chemical Safety Assessment is not necessary for this product.

15. 3. Further Information

EC. REACH, Annex XIV, Candidate List of Substances of very High Concern (SVHC): not regulated / not applicable

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.