

Safety Data Sheet

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



59960 Phenolic Resin Beads

Page 1

Revised edition: 01.04.2016

Version: 3.0

Printed: 25.11.2019

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

1.1. Product Identifier

Product Name: Phenolic Resin Beads

Article No.: 59960

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

Identified uses:

Filler

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.com

E-Mail: info@kremer-pigmente.com

Importer: --

1.4. Emergency No.

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

1.4.2 Poison Center:

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.

Possible Environmental Effects:

2.2. Label Elements

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

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

Hazard designation:

Not applicable.

Signal word:

Hazard designation:

Safety designation:

Hazardous components for labelling:

2.3. Other Hazards

3. Composition/Information on Ingredients

3.1. Substance

next page: 2

Safety Data Sheet

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



59960 Phenolic Resin Beads

Page 2

Revised edition: 01.04.2016

Version: 3.0

Printed: 25.11.2019

3.2. Mixture

Chemical Characterization: Formaldehyde, oligomeric reaction product with phenol (CAS No. 9003-35-4. EINECS 2000052): $\geq 99.8\%$

Information on Components / Hazardous Ingredients:

Formaldehyde (T, Carc.Cat.3; R23/24/25-34-40-43; H301-311-314-317-331-341-350); REACH Reg.No. 01-2119488953-20-xxxx	< 0.1 %	CAS-Nr: 50-00-0 EINECS-Nr: 200-001-8 EC-Nr: 605-001-00-5
---	---------	--

Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

*Remove contaminated clothes immediately.
Take person away from hazardous area.*

After inhalation:

*Take affected person to fresh air.
If breathing is difficult call a physician.*

After skin contact:

Wash off with plenty of water and soap. Consult a physician if irritation persists.

After eye contact:

*Rinse open eyes with plenty of water for at least 15 minutes.
Seek medical attention if irritation persists.*

After ingestion:

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

Symptoms:

May be irritant to eyes. Particles can cause a mechanical irritation.

Effects:

No further information available.

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:

Foam, extinguishing powder, water spray 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)



59960 Phenolic Resin Beads

Page 3

Revised edition: 01.04.2016

Version: 3.0

Printed: 25.11.2019

5.3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device and full protective gear.

Further information:

Collect contaminated extinguishing water and debris separately; avoid contamination of sewage system.

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

*Wear protective clothing.
Ensure adequate ventilation.
Do not inhale dust.*

6.2. Environmental Precautions

Environmental precautions:

*Prevent contamination of soils, drains and surface water.
Contact local authorities if product pollutes soil or vegetation.*

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Take up mechanically and collect in suitable containers for disposal. Avoid dust formation.

6.4. Reference to other Sections

Protective clothing, see Section 8.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

*Avoid formation of dust.
Provide adequate ventilation.*

Hygienic measures:

*Avoid contact with eyes and skin.
Take off contaminated clothing immediately.
Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.*

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

*Store in tightly sealed containers in a cool and well ventilated location.
Protect product from direct sunlight.*

Requirements for storage areas and containers:

No special measures necessary.

Information on fire and explosion protection:

Dust may form an explosive mixture with air.

next page: 4

Safety Data Sheet

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



59960 Phenolic Resin Beads

Page 4

Revised edition: 01.04.2016

Version: 3.0

Printed: 25.11.2019

*Take measures to prevent electrostatic discharge.
Keep away from sources of ignition - do not smoke.*

Storage class:

11; Combustible solids (TRGS 510)

Further Information:

7.3. Specific End Use(s)

Further information:

No information available.

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

TRGS 900

TLV: 1.25 mg/m³ air-borne fraction (general dust limit)

TLV: 10 mg/m³ inhalable fraction (general dust limit)

Peak limit Category: 2 (II)

Parameters to be controlled:

Derived No-Effect Level (DNEL):

Predicted No-Effect Concentration (PNEC):

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Use local exhaust ventilation in case of dust and/or fume formation.

Personal Protection

General protective measures:

Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.

Respiratory protection:

Respiratory equipment required in case of insufficient ventilation, filter type P2.

Hand protection:

Protective gloves

Protective glove material:

*Please note the manufacturers' detailed statements, especially about the minimum thickness and the minimum breakthrough time.
For short-term exposure:*

A glove combination is recommended consisting of a HPPE layer (0.062 mm) combined with a double-layered glove made of nitrile rubber (0.4 mm) as the coating material and nylon as the carrier material.

Eye protection:

Chemical splash goggles (EN 166).

next page: 5

Safety Data Sheet

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



59960 Phenolic Resin Beads

Page 5

Revised edition: 01.04.2016

Version: 3.0

Printed: 25.11.2019

Body protection:

Protective clothing.

Environmental precautions:

*Prevent contamination of open water ways and sewage system.
Avoid contamination of ground water.
Contact local authorities if large spillages cannot be contained.*

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

<i>Form:</i>	<i>granules</i>
<i>Color:</i>	<i>reddish brown</i>
<i>Odor:</i>	<i>odorless</i>
<i>Odor threshold:</i>	<i>No information available.</i>
<i>pH-Value:</i>	<i>not applicable</i>
<i>Melting temperature:</i>	<i>not available</i>
<i>Boiling temperature:</i>	<i>not applicable</i>
<i>Flash point:</i>	<i>not applicable</i>
<i>Evaporation rate:</i>	<i>not applicable</i>
<i>Flammability (solid, gas):</i>	<i>not available</i>
<i>Upper explosion limit:</i>	<i>no information available</i>
<i>Lower explosion limit:</i>	<i>no information available</i>
<i>Vapor pressure:</i>	<i>not determined</i>
<i>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	<i>0.2 - 0.8 g/cm³</i>
<i>Solubility in water:</i>	<i>insoluble</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>no information available</i>
<i>Auto-ignition temperature:</i>	<i>500°C</i>
<i>Decomposition temperature:</i>	

next page: 6

Safety Data Sheet

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



59960 Phenolic Resin Beads

Page 6

Revised edition: 01.04.2016

Version: 3.0

Printed: 25.11.2019

No decomposition if used according to specifications.

Viscosity, dynamic:

not available

Explosive properties:

Risk of dust explosion.

Dust can form explosive mixtures with air.

Oxidizing properties:

none

Bulk density:

not determined

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic:

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

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

Risk of dust explosion.

Dust can form explosive mixtures with air.

10.4. Conditions to Avoid

Conditions to avoid:

Avoid contact with heat, sparks and open fire.

Avoid direct sunlight.

Thermal decomposition:

No decomposition if used according to specifications.

10.5. Incompatible Materials

Strong acids, strong bases and strong oxidizing agents.

10.6. Hazardous Decomposition Products

In case of fire: formation of carbon oxides.

Formaldehyde, phenol.

10.7. Further Information

11. Toxicological Information

11.1. Information on Toxicological Effects

next page: 7

Safety Data Sheet

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



59960 Phenolic Resin Beads

Page 7

Revised edition: 01.04.2016

Version: 3.0

Printed: 25.11.2019

Acute Toxicity

LD50, oral:

Formaldehyde: 100 mg/kg (estimated)

LD50, dermal:

Formaldehyde: 300 mg/kg (estimated)

LC50, inhalation:

Formaldehyde: 3 mg/l (4h; vapor) - estimated

Primary effects

Irritant effect on skin:

No irritant effect known.

Irritant effect on eyes:

The dust particles can cause mechanical irritation.

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

No sensitizing effects known.

Mutagenicity:

No genotoxic potential.

Reproductive toxicity:

No negative effects.

Carcinogenicity:

Not cancerogenic.

Teratogenicity:

Not considered to be teratogenic.

Specific target organ toxicity (STOT):

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

Repeated exposure: no toxicological effects.

Additional toxicological information:

Aspiration hazard: not applicable

Inhalation: Long-term overexposure can cause symptoms of the respiratory tract.

12. Ecological Information

12.1. Aquatic Toxicity

Fish toxicity:

Formaldehyde: LC50: 6.7 mg/l (96h, Morone saxatilis)

Daphnia toxicity:

Formaldehyde: EC50: 42 mg/l (24h, Daphnia magna)

Bacteria toxicity:

next page: 8

Safety Data Sheet

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



59960 Phenolic Resin Beads

Page 8

Revised edition: 01.04.2016

Version: 3.0

Printed: 25.11.2019

No data available.

Algae toxicity:

No information available.

12.2. Persistency and Degradability

Formaldehyde: readily biodegradable.

12.3. Bioaccumulation

Formaldehyde: low bioaccumulation.

12.4. Mobility

Formaldehyde: mobile in soil.

12.5. Results of PBT- und vPvP Assessment

The contents of the preparation do not comply with the criteria for the classification as PBT or vPvB.

12.6. Other Adverse Effects

Water hazard class:

*1, slightly hazardous (German Regulation; Self-assessment).
Do not let product contaminate ground water, waterways or sewage system.*

Behaviour in sewage systems:

Further ecological effects:

When used properly, no ecological problems expected.

AOX Value:

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

*Dispose of according to official national and local regulations.
Must not be disposed together with household garbage.*

European Waste Code (EWC):

The waste code must be determined together with the regional disposal service.

Uncleaned packaging:

Contaminated packaging must be disposed like the substance.

Waste Code No.:

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

next page: 9

Safety Data Sheet

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



59960 Phenolic Resin Beads

Page 9

Revised edition: 01.04.2016

Version: 3.0

Printed: 25.11.2019

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel restriction code:

IMDG Class (sea):

Hazard no.:

EmS No.:

IATA Class:

Hazard no.:

14. 4. Packaging Group

ADR/RID:

not applicable

IMDG:

IATA:

14. 5. Environmental Hazards

Not classified as environmentally hazardous.

14. 6. Special Precautions for User

not applicable

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

IMDG: 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:

1, slightly hazardous for water (German Regulation, self-assessment)

Local regulations on chemical accidents:

Does not underlie the Accident Ordinance.

Employment restrictions:

The employment restrictions for young workers in accordance with the Youth Employment Protection Law (94/33/EC) are to be observed.

The employment restrictions for expectant and nursing mothers in accordance with the Maternity Protection Guideline (94/85/EEC) are to be observed.

Restriction and prohibition of application:

*Formaldehyde (CAS Nr. 50-00-0):
EC. REACH, Section XVII, Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles, Registered no. 28; Carcinogenicity, Category 1B.*

next page: 10

Safety Data Sheet

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



59960 Phenolic Resin Beads

Page 10

Revised edition: 01.04.2016

Version: 3.0

Printed: 25.11.2019

Technical instructions on air quality:

15.2. Chemical Safety Assessment

No information available.

15.3. Further Information

Formaldehyde:

EC. Regulation No. 1451/2007 (Biocide), Annex I, Substances identified as existing (OJ (L325). Registered under EC Number 200-001-8

Regulation (EC) 1223/2009 on Cosmetic Products, Annex III: List of substances which cosmetic products must not contain except subject to the restrictions laid down: Maximum concentration in ready-for-use preparation: 5 % (nail hardening products)

Regulation (EC) 1223/2009 on Cosmetic Products, Annex V: List of preservatives allowed in cosmetic products: Maximum concentration in ready-for-use preparation: 0.1 % (oral products); 0.2 % (other products)

Directive 90/394/EC: Carcinogen/mutagen

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.