



SAFETY DATA SHEETS (SDS)

1. PRODUCT IDENTIFICATION

PRODUCT NAME: **BURR-BLAST K (Kieserite)**

Relevant identified uses of the substance or mixture and uses advised against
Use of the Substance/Mixture Blast Media

COMPANY: **CRYSTAL MARK INC.**
ADDRESS: 613 Justin Ave. Glendale CA, 91201
PHONE: 818 240-7520
EMERGENCY Telephone Number Giftinformationszentrale Nord, Göttingen, Germany Telephone:+49 (0)551 19240

2. HAZARD IDENTIFICATION

HAZARD CLASSIFICATION:
Classification of the substance or mixture Classification

(REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Classification(67/548/EEC,1999/45/EC)

This substance is not classified as dangerous according to Directive 67/548/EEC.

LABEL ELEMENTS:

Labelling(REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Labelling according to EC Directives (67/548/EEC)

Further information : The product does not need to be labelled in accordance with EC directives or respective national laws.

OTHER HAZARDS

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB). Contact with hot product will cause thermal burns.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances

| Chemical Name | CAS-No. EINECS-No. / ELINCS No. | Concentration [%] |
|-----------------------------|---------------------------------|-------------------|
| Magnesium Sulphate (1:1) | 7487-88-9 231-298-2 | >80 |

4. FIRST-AID MEASURES

GENERAL ADVISE: Call aa physician if symptoms occur. Show this safety data sheet to the doctor in attendance.

EYES: Immediately flush eyes with plenty of water. If eye irritation persists, consult a specialist.

SKIN: Rinse with water.

INHALATION: If breathed in, move person into fresh air.

INGESTION: Rinse mouth with water.

SYMPTOMS: Ingestion may provoke the following symptoms: Diarrhea.

TREATMENT: For specialist advice physicians should contact the poisons Information Service.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Suitable Extinguishing Media: The product is not flammable. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: None

Special Hazards Arising From The Substance Or Mixture

Specific hazards during firefighting: Heating or fire can release toxic gas. Sulphur oxides.

ADVICE FOR FIREFIGHTERS

Special Protective Equipment for Firefighters: Respiratory protection

Further information: Collect contaminated fire extinguishing water separated. This must not be discharged into drains.

6. ACCIDENTAL RELEASE MEASURES

Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions : Avoid breathing dust.

Environmental precautions

Environmental precautions : Do not let product enter drains.

Methods and materials for containment and cleaning up

Methods for cleaning up : Sweep up and shovel into suitable containers for disposal.
After cleaning, flush away traces with water.

Reference to other sections

For personal protection see section 8.

7. HANDLING AND STORAGE

HANDLING

Precautions for safe handling

Advice on safe handling : Avoid dust formation.
Avoid inhalation, ingestion and contact with skin and eyes.

Advice on protection against fire and explosion : The product is not flammable.
No special protective measures against fire required.

Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep in a dry place.
Advice on common storage : No special restrictions on storage with other products.

German storage class : 13 Non Combustible Solids

Other data : Stable under recommended storage conditions.

Specific end use(s): Not relevant

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters: Contains no substances with occupational exposure limit values.

Exposure controls Engineering measures:

Provide adequate ventilation.

Personal protective equipment

| | |
|--------------------------|--|
| Respiratory protection | : Effective dust mask. |
| Hand protection | : When handling hot material, use heat resistant gloves. |
| Eye protection | : Safety glasses |
| Skin and body protection | : Wear suitable protective clothing. |
| Hygiene measures | : When using do not eat or drink. Wash hands before breaks and at the end of workday. |
| Protective measures | : Do not breathe dust. : When working with hot material, avoid contact with skin. |

Environmental exposure controls

General advice : Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | |
|--|---|
| Appearance | Crystalline |
| Color / Odor | Light grey/ Odorless |
| pH | ca. 9, 25 °C, Aqueous solution |
| Melting Point/range | not applicable, Elimination of water of crystallisation |
| Boiling Point/ boiling range | not applicable |
| Flash Point | not applicable |
| Flammability (solid, gas) | This product is not flammable. |
| Lower explosion limit | not applicable |
| Vapor Pressure | not applicable |
| Density | 2,6 g/cm ³ |
| Water Solubility | MgSO ₄ : 342 g/l, 20 °C |
| Partition coefficient: noctanol/water | no data available |
| Auto-ignition temperature | not applicable |
| Ignition Temperature | not applicable |
| Thermal Decomposition | >700 °C |
| Explosive Properties | not applicable |
| Oxidizing Properties | not applicable |
| Other Information | Bulk density: ca. 1.380 kg/m ³ |

10. STABILITY AND REACTIVITY

Reactivity: Stable

Chemical stability: No decomposition if stored and applied as directed.

Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

Conditions to avoid

Conditions to avoid : None known.

Incompatible materials

Materials to avoid : None known.

Hazardous decomposition products

Hazardous decomposition products

No decomposition if stored and applied as directed.

Heating or fire can release toxic gas. Sulphur oxides

11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

Product:

| | |
|-----------------------------------|--|
| Acute oral toxicity | LD50: > 2.000 mg/kg, rat, OECD 425 |
| Acute dermal toxicity | LD50: > 2.000 mg/kg, rat, Information given is based on data obtained from similar substances. |
| Skin corrosion/irritation | Result: No skin irritation, Information given is based on data obtained from similar substances. |
| Serious eye damage/eye irritation | Result: No eye irritation, Information given is based on data obtained from similar substances. |
| Respiratory or skin sensitization | mouse, Result: Does not cause skin sensitization., OECD Guideline 429, anhydrous substance |
| Germ cell mutagenicity: | |
| Genotoxicity in vitro | Result: negative, OECD 476 |
| Genotoxicity in vitro | No data available |
| Carcinogenicity | This information is not available. According to experience not expected |
| Reproductive toxicity | rat, Information given is based on data obtained from similar substances. Assessment: Animal testing did not show any effects on fertility. |
| Teratogenicity | rat, NOAEL: \geq 1.500 mg/kg, Information given is based on data obtained from similar substances. Assessment: Did not show mutagenic or teratogenic effects in animal experiments. |
| STOT - repeated exposure | rat, Oral, NOAEL: \geq 256 mg/kg, Information given is based on data obtained from similar substances. |
| Further information | Health injuries are not known or expected under normal use. |

12. ECOLOGICAL INFORMATION

TOXICITY

Product:

- Toxicity to fish: LC50: 680mg/l, 96 h, Pimephales promelas (fathead minnow), Information given is based on data obtained from similar Substances.
- Toxicity to daphnia and other aquatic invertebrates: LC50: 720 mg/l, 48 h, Daphnia magna (water flea), information given is based on data obtained from similar substances.
- Toxicity to algae: EC50: 2.700 mg/l, 18 DAY, Chlorella vulgaris (Fresh water algae), Information given is based on data obtained from similar substances.
- Toxicity to bacteria: EC50: 84 g/l, 0,5 h, Photobacterium phosphoreum

PERSISTENCE AND DEGRADABILITY

Biodegradability: The methods for determining biodegradability are not applicable to inorganic substances.

Bioaccumulation: Bioaccumulation is unlikely.

MOBILITY IN SOIL

- **Mobility** Not applicable
- **Distribution among environmental components** Not applicable
- **Physico-chemical removability** Not applicable

RESULTS Of PBT and vPvB ASSESSMENT: This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

OTHER ADVERSE EFFECTS:

- **Adsorbent organic bound halogens (AOX):** Not applicable

13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

- Product** Check if agriculture use is possible.
Contaminated packaging Empty containers should be taken to an approved waste handling site for recycle.

14. TRANSPORT INFORMATION

LAND TRANSPORT

- **ADR** Not dangerous substance as defined in the above regulation.
- **Remarks Tunnel restriction code** Not relevant

SEA TRANSPORTATION

IMDG

- **Remarks** Not classifies as dangerous in the meaning of transport regulations.

AIR TRANSPORT

IATA-DGR

- **Remarks** Not classified as dangerous in the meaning of transport regulations.
- **Special Precautions for user** Not relevant

Special Precautions for user Not relevant

Transport in bulk according ro Annex II of MARPOL 73/78 and the IBC Code.

15. REGULATORY INFORMATION

Safety, Health and Environmental regulations/ legislation specific for the substance or mixture

Water Contaminating class (Germany) WGK 1 slightly water endangering

Notification Status

REACH This substance is exempt from registration according to Regulation (EC) No. 1907/2006 (REACH).

Chemical Safety Assessment A Chemical Safety Assessment is not required for this substance.

16. OTHER INFORMATION & LAST REVISION DATE

DISCLAIMER:

Although reasonable care has been taken in the preparation of the information contained herein, the originator and **CrystalMarkInc** extends no warranties, makes no representation and assumes no responsibility as to the accuracy of suitability of such information for application to the purchaser's intended purposes or for consequences of its use.

LAST REVISION DATE: 10/21/2015