

Material Safety Data Sheet

According to 1907/2006/EG, Article 31 and 2020/878/EU
Revision date: 13.10.2022 version number 3 (replaces version 2.2) dated: 31.01.2021

SECTION 1: Identification of the substance or mixture and the company

1.1 Product name: Kasp K30050 Graphite powder

Chemical family: Carbon

EC substance name: Naturally occurring substance

Identification: EINECS Inventory: Reg. Nr. 2319553 CAS-Nr. 7782-42-5

1.2 Relevant identified uses and uses advised against:

Uses of the substance: Dry lubricant.

Uses not recommended: there are no specific uses identified which are not recommended.

1.3 Details of the supplier providing the safety data sheet

Manufacturer/Supplier:

Carl Kammerling International Ltd

CK House, Glan y Don Industrial Estate, Pwllheli, LL53 5LH

Tel.: +44(0)1758 701070

Fax.: +44(0)1758 704777

<http://www.carlkammerling.com>

E-mail: Sales@cki.uk.com

Information department:

Technical support

(Mo-Fri. 9:00-17:00)

Tel.: +44(0)1758 701070

E-mail: Sales@cki.uk.com

1.4 Emergency number:

+44(0)1758 701070

SECTION 2: Hazards identification

2.1 Classification: This product does not meet the classification and labelling criteria given in the Regulation (EC) No. 1272/2008 (CLP/GHS).

Not a substance meeting the criteria for PBT as well as vPvB according to Regulation. (EC) No. 1907/2006, Annex XIII

2.2 Label elements: GHS label elements, hazard pictograms; signal word and hazard statements accord. No. 1272/2008: Not applicable /Not required

Although product is not subject to classification and labelling under hazardous materials Ordinances and EU guidelines we recommend that the safety suggestions of this data sheet are observed.

2.3 Other Hazards for Health:

Eye contact: prolonged and repeated contact with dusts may be abrasive and irritating to the eyes, moderate irritation with symptoms of redness, swelling, itching and tearing.

Skin contact: skin absorption is not known to be a significant route of over-exposure for this product, no evidence of long-term health effects.

Inhalation: long-lasting and repeated inhalation may irritate the respiratory tract (like most of non-toxic powders). Symptoms may include coughing, shortness of breath, sore throat and runny nose. Effective protection is the observance of MAK-standard.

Ingestion: ingestion is not anticipated to be a route of occupational exposure of this product.

SECTION 3: Composition/information on ingredients

100% Natural Graphite

Chemical formula: C

CAS-No: 7782-42-5

EINECS-No: 2319553

B.A.T.: 250410 00 9

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

After skin contact: Wash with soapy water - If irritation persists, seek medical attention

After eye contact: Rinse opened eye for several minutes under running water - If irritation persists, seek medical attention.

After swallowing: No adverse effects expected, if difficulties arise consult a physician

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

Material Safety Data Sheet

According to 1907/2006/EG, Article 31 and 2020/878/EU
Revision date: 13.10.2022 version number 3 (replaces version 2.2) dated: 31.01.2021

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Fire extinguishing material:

Suitable extinguishing media: normally all kinds of extinguishers can be used. We recommend to use water spray, alcohol-resistant foam. Graphite is difficult to combust. Extinguishing measures to suit surroundings.

Unsuitable extinguishing. Media: No data available

5.2 Special hazards arising from the substance:

Hazards from the substance: fine dust clouds may form explosive mixtures with air. Under practical conditions probability of ignition of dust-air mixtures is very low due to a very high minimum ignition energy.

Hazardous combustion Products: in the event of fire carbon monoxide (CO), carbon dioxide (CO₂) can be released.

5.3 Advice for firefighters:

Special equipment: Use self-contained breathing apparatus. Wear protective Clothing conforming to EN 469.

5.4 Additional information: Avoid generating dust.

SECTION 6: Accidental release measures

6.1. Precautionary measures:

For non-emergency personnel: Minimize exposure to dust. Keep away unnecessary and unprotected personnel from entering. Provide adequate ventilation.

For emergency responders: during excessive pollution mask should be used. Refer to Section 8 for details.

6.2 Environment's protection: normally not necessary, but we recommend to avoid discharging into the drains/surface waters/ground waters.

6.3 Methods of cleaning: mechanical absorption. If you clean the floor by washing, keep attention to the danger of sliding.

6.4 Waste disposal method: in accordance with Local, State and Federal Waste Disposal Regulations.

SECTION 7: Handling and storage

7.1 Precautions for safe handling advice on safe handling:

Store in a sealed container

Avoid breathing dust. Use ventilation or other engineering controls to minimize potential exposure and to maintain air levels below the recommended exposure limit. If limits are exceeded, respiratory protection approved for this particular task must be worn.

General protective and Hygiene measures: Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid getting in eyes. Wash thoroughly after handling.

Working areas, steps, etc. which are covered by graphite, should be kept dry due to risk of slipping.

Advice on protection against fire and explosion: dust can form an explosive mixture with air. Take precautionary measures against static charges. Keep away from sources of heat and ignition.

Dust explosion class ST1 (slightly dust explosive)

Environmental protection measures: treat material as prescribed under heading 6.2.

7.2 Conditions for safe storage: Store in a dry place away from direct sunlight, heat and incompatible materials (Oxidizing Agents, Fluorine, Halogenated Solvents, Potassium and Potassium Oxides). All usual kinds of packing can be used.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters: concentration of dust during work should be controlled according to regional directions. See NIOSH (RTECS Number MD9659600)

8.2 Exposure controls:

Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday

Personal protective equipment: Respiratory protection: if necessary, suitable ventilation or vacuum pumps should be installed. When exceeding MAK-values use dust-mask with filter P 1.

Hand protection: Workers with dry skin can use a grease based barrier cream. Sufficient protection is given wearing suitable protective gloves, appropriate material, Rubber.

Skin protection: PVC gloves with impervious boots, apron or coveralls.

Employees should wash their hands and face before eating, drinking or using tobacco products.

Eye protection: During extreme pollution safety glasses or goggles.

SECTION 9: Physical and chemical properties

9.1 General information

Material Safety Data Sheet

According to 1907/2006/EG, Article 31 and 2020/878/EU
Revision date: 13.10.2022 version number 3 (replaces version 2.2) dated: 31.01.2021

Physical form: powder

Colour: grey to black

Odour: odourless

9.2 Others

Melting point: approx. 3500 °C

Boiling point: not available

Flash point: not available

Flammability: under practical conditions probability of ignition of dust in air mixtures is very low due to a very high minimum ignition energy.

Danger of explosion: dust explosion class ST1

Fire supp. properties: N/A

Specific gravity: 2.26 g/cm³

Solubility in water: < 0.1 %

9.3. Further information: no further information of security relevant parameters.

SECTION 10: Stability and reactivity

10.1 Reactivity: stable under regular conditions of transport, use and storage.

10.2 Chemical stability: stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions: no data available

10.4 Conditions to avoid: no data available

10.5 Incompatibilities: No dangerous reactions known– we recommend not to use Fluorine, Chlorine trifluoride together with graphite.

10.6 Decomposition: no hazardous decomposition products known

SECTION 11: Toxicological information

12.1 Toxicity no data available

12.2 Persistence and Degradability: not degradable

12.3 Bio accumulative potential: 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 information: No defectiveness in biologic filter plants and waters.

No danger for waters accord. to § 19g clause 5 data 2 WHG (VwVwS dated. May 17th 1999 (Banz. dated. May 29th 1999 Nr. 98a)).

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability No further relevant information available.

12.3 Bio accumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

VPvB: Not applicable.

12.6 Endocrine Disruptive Properties

See Section 11 for information on endocrine disrupting properties.

12.7 Other adverse effects

Further ecological information:

12.8 General information:

Entry into the environment is to be avoided.

Special pre-treatments are required.

Water hazard class 1 (self-assessment): slightly hazardous to water.

Do not release into ground water, water bodies or sewage system undiluted or in large quantities.

SECTION 13: Disposal considerations

13.1 Waste treatment

Product Allocation of a waste number, in accordance with the European Waste catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging: residual product must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal.

Material Safety Data Sheet

According to 1907/2006/EG, Article 31 and 2020/878/EU
Revision date: 13.10.2022 version number 3 (replaces version 2.2) dated: 31.01.2021

SECTION 14: Transport information

Product is not categorised as dangerous freight by land (ADR RID), air (ICAO/IATA) or sea (IMDG).

14.1. UN number: ADR/RID: - N/A IMDG: - N/A IATA: -N/A

14.2 UN proper shipping name: ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard classes: ADR/RID: - N/A IMDG: - N/A IATA: - N/A

14.4 Packaging group: ADR/RID: -N/A IMDG: - N/A IATA: - N/A

14.5 Environmental hazards: ADR/RID: N/A, IMDG Marine pollutant: no, IATA: - N/A

14.6 Special precautions for user: no data available

14.7 Other information: The product is not highly inflammable according to Regulation (EG) Nr.40/2008, method EC A.10 (flammability solids).

SECTION 15: Regulatory information

15.1 EU guidelines

15.1.1 Chemical safety assessment acc. to UK REACH 2021 and EU regulation no. 1907/2006: A chemical safety assessment (CSA) according to Art. 14 part 1 Regulation (EC) No. 1907/2006 (REACH) for graphite is not yet available.

15.1.2 Classification and labelling according to Directive 1272/2008 (CLP): The product is not due to classification and labelling.

15.1.3 Hazard determinant compounds for labelling: none

15.1.4 Specific labelling of designated preparations: none.

15.1.5 Authorisations and / or use restrictions: none.

15.1.6 Further EU provisions: none.

15.1.7 Information on EU directive 1999/13/EC (VOC directive) for limitation of VOC emissions: None.

15.2 National regulations (UK): None

15.2.1 Classification and labelling: The product is not due to labelling according to UK regulations.

15.2.2 Other UK regulations and guidance:

Health and Safety at Work Act 1974.

The Management of Health and Safety at Work regulations 1992.

CoSHH. The Control of Substances Hazardous to Health Regulations 2002. Approved codes of practice and guidance. Guidance Note EH40 – Occupational Exposure Limits.

BS EN ISO 10882-1:2001 – health and safety in welding and allied processes – sampling of Airborne particles and gases in the operator's breathing zone – part 1: sampling of airborne particles

SECTION 16: Other information

16.1 Requirements for this safety data sheet (SDS) are laid down in Annex II to REACH Regulation (EC) No 1907/2006, in compliance with the Annex to Regulation (EU) 2015/830 (applicable 1 June 2017), and in accordance with UK REACH regulations and the CLP Regulation, 1272/2008.

Declarations of this data sheet are the actual eruditions of our product. It serves as product's description concerning handling and safety exigencies. It is not a product's specification.

As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this material.

Information contained herein is believed to be true and accurate, but all statements or suggestions are made without warranty, express or implied regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.

Compliance with all applicable federal, state and local laws and regulations remains the responsibility of the user.