



**KOH - I - NOOR
GRAFIT s.r.o.**



MATERIAL SAFETY DATA SHEET

In accordance with regulation (EC) 1907/2006

Product name: CRYSTALLINE GRAPHIT
Issued on: 26. 10. 2007
Revised on: 10.1.2011

1. IDENTIFICATION OF SUBSTANCE OR PRODUCT AND COMPANY OR ENTERPRISE

1.1 Identification of substance or product:

Trade name: CRYSTALLINE GRAPHIT

Chemical name: Crystalline carbon with minute admixture of natural rock components and minerals.

1.2 Use of the substance or product:

Natural carbon with 60-99 % C content by mass.

1.3 Company or enterprise identification:

Name: KOH-I-NOOR GRAFIT s.r.o.

Headquarters: Gregorova 9, 384 11 Netolice

ID number: 260 41 316

Telephone: +420 388 324 421

Fax: +420 388 324 421

Person responsible for MSDS: Ing. Stanislav Soroka - soroka@grafitnetolice.cz

1.4 Emergency telephone numbers:

Central control KOH-I-NOOR GRAFIT s.r.o.: +420 388 324 424

Toxicological information centre Prague: +420 224 919 293

2. HAZARD IDENTIFICATION

This product is not classified as hazardous according to Act no. 356/2003 Coll. as amended.

Classification: NA

Symbol: NA

R-phrases: NA

It is a incombustible substance. No adverse effects on the environment are assumed.

3. COMPOSITION OR INFORMATION ON COMPONENTS

3.1 Components (chemical substances) of the product with dangerous properties

Not reported within the meaning of annex II to the EC regulation, point 3.2. a). Non classified as a hazardous substances according to the List of Designated Substances.

3.2 Information on PBT

According to the criteria laid down in Annex XIII of the EC regulation, this product contains no persistent, bioaccumulative and toxic or highly bioaccumulative chemicals.

4. FIRST AID MEASURES

4.1 General instructions:

Observe the working hygiene during manipulation, use the prescribed protective equipment, and avoid eating, drinking and smoking.

4.2 Inhalation exposure:

After inhalation move the affected person to fresh air.



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4.3 Skin contact:

Upon skin contact, no special measures must be taken. Just flush with water and wash with soap.

4.4 Eye contact:

Flush the eyes with cold water.

4.5 Ingestion:

Is not expected – no measures.

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media:

Non-combustible substance.

5.2 Unsuitable extinguishing media:

See point 5.1

5.3 Specific hazards:

None.

5.4 Special protection equipment for firefighters.

Not needed.

6. ACCIDENTAL RELEASE MEASURES

6.1 Preventive measures for protection of persons:

Use appropriate protective equipment, do not eat, drink or smoke. In case of spill, exhaust or sweep it. Prevent dust layer formation by regular cleaning. Risk of accident on slippery floor.

6.2 Preventive measures for environmental protection:

Not needed.

6.3 Recommended methods of cleaning and disposal:

Pay increased attention when working with open fire, and to dust formation: exhaust any dust layer before starting the work.

7. HANDLING AND STORAGE

7.1 Handling:

In the manipulation of heavy and bulky loads (packaging), use adequate handling equipment.

Avoid spillage of the product – risk of slipping.

7.2 Storage:

Store in dry environment, separately from electric instruments and equipment. Observe the safety regulations for the storage of conductive materials.



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7.3 Specific use:

Specifications of individual products for customer relations must be defined according to concrete catalogue products.

8. CONTROL OF EXPOSURE / PERSONAL PROTECTIVE EQUIPMENT

8.1 Exposure limit values:

PEL 2.0 mg/m³

PEL_c 10.0 mg/m³

8.2 Exposure control:

Observe the general safety and hygienic measures; do not eat, drink or smoke. After washing the skin with warm water and soap, apply a reparation cream.

8.2.1 Control of personnel exposure:

In accordance with the CAS standard: 7782-42-5

Respiratory tract protection: In case of increased dustiness (pouring), use a protective dust mask (or respirator); otherwise not necessary.

Hand protection: Protective gloves

Eye protection: Clear goggles.

Skin protection: Work clothing of suitable material

Other data: Do not exist

8.2.2 Control of environmental exposure:

See point 2.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information:

State at 20 °C: Solid (crystalline substance)

Colour: Silvery grey - grey-black

Odour (aroma): Odourless

9.2 Information important for the protection of health, safety and environmental protection:

Density (at 15 °C) 2.2 g/cm³

Boiling point range: Not established

Flash point: -

Flammability: -

Explosion limits: None

Water solubility: Insoluble

Kinematic viscosity at 40 °C: -

pH value: Neutral

9.3 Other information:

Vapour tension (at 20 °C): Not established

Autoignition temperature: Not established

Melting point: Ca 3,600 °C



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10. STABILITY

Product is stable under the prescribed method of storage, handling and use.

10.1 Conditions to avoid:

Do not store together with strongly oxidising substances.

10.2 Materials to avoid:

See point 10.1; fluorine, peroxides etc., for example.

10.3 Hazardous decomposition products:

Carbon dioxide, carbon monoxide, or possibly minor amounts of sulphur dioxide

11. TOXICOLOGICAL INFORMATION

Oral toxicity LD₅₀ (rat)

Toxicologically innocuous

Dermal toxicity (rat)

Toxicologically innocuous

LC₅₀

Toxicologically innocuous

Skin irritability:

Product is not considered a skin irritant.

Eye irritability:

Product is not considered an eye irritant.

Sensitisation:

Product does not cause sensitisation

Carcinogenicity:

Product is not a carcinogen.

Mutagenity:

Product is not a mutagen.

Reproductive toxicity:

Not expected.

Subchronic or chronic toxicity:

Not present

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

Acute toxicity for water environment: Not established, not reported

Toxicity for soil organisms: Not established, not reported

12.2 Mobility:

-

12.3 Persistence and decomposition:

Insoluble in water, persistence: **none**

Biological decomposition: **none**

12.4 Bioaccumulation potential:

-

12.5 Results of PBT evaluation:

See article 3.2

12.6 Other adverse effects:

No environmental load

13. DISPOSAL INSTRUCTIONS

Disposal methods:

Waste code: not necessary

Waste marking: none

Additional obligations: none

Packaging disposal methods:

In accordance with valid waste management legislation

Legal regulations on waste:

Act no. 185/2001 Coll. on waste as amended and connected complementary decrees and orders.

14. TRANSPORT INFORMATION



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Substance is not hazardous for road or railway transport.

Substance is not hazardous for air transport.

No UN code number has been assigned to this product.

15. REGULATORY INFORMATION

15.1 Classification and marking in accordance with Act no. 356/2003 Coll., as amended

Symbol: None
Hazard identification: None
Contains: Not stated
R-phrases: None
S-phrases: None

16. OTHER INFORMATION

16.1 List of R-phrases and S-phrases (art. 3.1 and art. 15.1)

16.1.1 Standard phrases denoting specific risks (R-phrases)

None

16.1.2 Standard instructions for safe handling (S-phrases)

None

Training instructions: Not necessary
Recommended restrictions of use: None

16.2 FURTHER REGULATORY INFORMATION

16.2.1 Act no. 86/2002 Coll. on air protection, as amended.

The product is not a volatile organic compound (VOC) within the meaning of Act no. 86/2002 Coll., as amended, and connected decrees of the Ministry of Environment:

16.2.2 ČSN 65 0201 Flammable liquids – facilities for production, storage and handling.

In accordance with ČSN 65 0201

16.2.3 Government order no. 178/2001 Coll., as amended, which lays down the conditions of health protection of employees at work, including the PEL and MPC limits.

16.2.4 Act no 356/2003 Coll., as amended by Act no. 434/2005 Coll., on chemical compounds and chemical preparations and on amendments to some other acts.

16.2.5 Act no. 258/2000 Coll. on public health protection, as amended.

16.3 Information on changes

16.3.1 All changes to this Material Safety Data Sheet have been brought about by the Regulation (EC) 1907/2006. The safety sheet will be kept updated on the basis of data obtained during the processing of documents for registration, the report on chemical safety, and the registration proper.

16.4 Data included in this MSDS only relate to the product stated, and they correspond to our present knowledge and experience.

The user is responsible for correct handling of the product in accordance with valid legislation.