

SAFETY DATA SHEET

1. IDENTIFICATION OF THE PRODUCT

NAME OF THE PRODUCT Activated carbon cylinders 4 mm 25 kg
CODE 030015

2. HAZARDS IDENTIFICATION

2.1. Most important hazards

Potential health effects: Dehydrating/desiccant effect.

Environmental effects: In its normal state, this product does not present any specific risk for the environment,

Physical and chemical hazards: Combustible product.

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Chemical name of the substance

Steam activated mineral carbon.

Substance name:

Chemical Name *	EC-No.	CAS-No.	Concentration	Classification
Carbon	231-153-3	7440-44-0	100%	Not regulated

No dangerous ingredients according to Regulation (EC) No. 1907/2006

(*) See chapter 14 for Proper Shipping Name.

4. FIRST AID MEASURES

General advice	Remove soiled/dirty clothing, brush well and wash carefully.
Inhalation	Move patient from contaminated area to fresh air. Blow nose. In case of persistent problems: If dust inhalation is severe: move operator to fresh air, wash mouth and throat with plenty of water.
Skin contact	Wash immediately, abundantly and thoroughly with soap and water.
Eye contact	Wash immediately, abundantly and thoroughly with soap and water If irritation persists, consult an ophthalmologist.
Ingestion	In case of problems: Consult a doctor.

5. FIREFIGHTING MEASURES

Suitable extinguishing media	Foam
Unsuitable extinguishing media	Water in enclosed areas
Specific hazards	Carbon oxides Burns slowly without a flame if the product is bulked. Rapid combustion with liquid oxygen, ozone and powerful oxidants.
Special protective equipment for fire-fighters:	In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Avoid contact with skin and eyes.
Environmental precautions	Avoid breathing dust.
Methods for cleaning up	Prevent product from entering drains. Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Handling Safe handling advice	Smoking, eating and drinking should be prohibited in the application area. Avoid dust formation.
Storage Technical measures / Storage conditions. Packaging material Recommended	Keep container tightly closed in a dry and well-ventilated place. Aluminium or steel for road tankers. Large flexible bulk containers. Paper bags

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

General protective measures:			Provide sufficient air Exchange and/or exhaust in work rooms.		
Control parameters: Exposure Limit Values (dust)					
Source	DATE	Value Type	Value (ppm)	Value (mg/m³)	Remarks
EH40 WEL	2007	TWA	-	10	Inhalable dust
EH40 WEL	2007	TWA	-	4	Inhalable dust
ACGIH(US)	2008	TWA	-	10	Inhalable particles
ACGIH(US)	2008	TWA	-	3	Breathe particles

Exposure Limit Values: Carbon

Source	DATE	Value Type	Value (ppm)	Value (mg/m ³)	Remarks
EH40 WEL	2007	TWA	-	4	-
EH40 WEL	2007	TWA	-	10	-
ACGIH(US)	01 2006	TWA	-	2	-

Personal protective equipment

Respiratory protection	Dust mask recommended
Hand protection	Impervious gloves
Eye protection	Safety glasses Eye wash bottle with pure water
Skin and body protection	Protective suit
Hygiene measures	Avoid breathing dust. See heading 4.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (20°C):	Solid
Form	Extrudates, granules
Colour	Black
Odour	None
pH	7-10 At the recommended dilution for use.
Flash point	Not applicable
Auto-ignition temperature	. in layer: >400°C Method: Standards CEI 61241-2-1-NF EN 50281-2-1
Vapour pressure	Not applicable
Bulk density	400-600 kg/m ³
Solubility Water solubility Solubility in other solvents	Insoluble Insoluble

10. STABILITY AND REACTIVITY

Conditions to avoid	Rapid combustion with liquid oxygen, ozone and powerful Oxidants. Store protected from moisture (to maintain the technical properties of the product).
Hazardous reactions Materials to avoid	Stable under recommended storage conditions. Store away from solvents (possibility of adsorption of them fumes/ vapours by activated carbon) and powerful oxidants.
Hazardous decomposition product	Carbon oxides.

11. TOXICOLOGICAL INFORMATION

To our knowledge, no harmful effects for man under normal conditions of use.	
Acute toxicity:	
Inhalation	CARBON: LC50/rat: >60mg/l Literary reference
Ingestion	CARBON: LD50/rat > 10g/kg Literary reference.

12. ECOLOGICAL INFORMATION

Mobility	Air Highly Dust
Ecotoxicity	Ecological injuries are not known or excepted under normal use. Product must not be released into the environment if dangerous substances are adsorbed onto the product. Insoluble in aqueous solution, the product can be separated by filtration or sedimentation.

13. DISPOSAL CONSIDERATIONS

Disposal of product	In accordance with local and national regulations. If product not used (in original state): dispose of in accordance with local regulations. If product has been used (containers adsorbed substances): dispose of at an approved waste disposal site only.
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14. TRANSPORT INFORMATION

ADR	Not regulated
IATA Cargo	Not regulated
IMDG	Not regulated

15. REGULATORY INFORMATION

UK REGULATION	Chip3: Chemical (Hazard information and Packaging for Supply) Regulations 2002	
EEC DIRECTIVE	According to Regulation (EC) No. 1907/2006.	
Safety data sheets	67/548/EEC	
EC classification/labelling	The product does not need to be labelled in accordance with EC directives or respective national laws.	
Dangerous Substance		
Further information		
Substance name	Carbon	
EC Nr.	231-153-3	
INVENTORIES	EINECS: TSCA: AICS: DSL: ENCS (JP) KECI (KR) PICCS (ph) IECSC (CN)	Conforms to Conforms to Conforms to All components of this product are on the Canadian DSL list. Does not conform Conforms to Conforms to

16. OTHER INFORMATION

This safety data sheet complies with international standard ISO 11014-1.

In case of formulations or mixtures, it is necessary to ascertain that a new danger will not appear.

The information contained is based on our knowledge of the product, at the date of publishing and it is given quite sincerely.

Users are advised of possible additional hazards when the product is used in applications for which it was not intended. This sheet shall only be used and reproduced for prevention and security purposes.

The references to legislative, regulatory and codes of practice documents cannot be considered as exhaustive. It is the responsibility of the person receiving the product to refer to the totality of the official documents concerning the use, the possession and the handling of the product.

It is also the responsibility of the handlers of the product to pass on to any subsequent persons who will come into contact with the product (usage, storage, cleaning of containers, other processes) the totality of the information contained within this safety data sheet and necessary for safety at work, the protection of health and the protection of environment.

NB: In this document the numerical separator of the thousands is the "." (point), the decimal separator is "," (comma).

The statements made here should describe the product with regard to the necessary safety precautions – they are not meant to guarantee definite characteristics – but they are based on our present up-to-date knowledge. No responsibility