

HAFFMANS STC TYPE B

SAFETY INFORMATION SHEET

1. PRODUCT ID AND PRODUCER / SUPPLIER

Product name
Haffmans STC Type B

Supplier
Haffmans B.V.
Marinus Dammeweg 30
P.O.Box 30, 5902 RD Venlo
Netherlands
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2. COMPOSITION

Chemical name
Activated Carbon

Chemical formula
Mainly C

CAS number
7440-44-0 (or. 64365 - 11 - 3)

EINECS
231-153-3 (or. 264 - 846 - 4)

Harmonized Customs Code
3802 10 00

Composition
100 Activated Carbon

3. RISK

MAC value
10 mg/m³ (for activated carbon no MAC value exists, the mentioned value refers to inconvenient dust concentrations).

4. FIRST AID

Inhalation
Fresh air, rest

Skin
Removal of contaminated clothing, washing the skin with water and soap

Eyes
First rinsing with abundant water for a long period (removal of contact lenses if east possible). If eye irritation prolongs, notify a medical doctor

Consumption
Rinsing mouth, drinking two glasses of water

5. FIRE EXTINCTION

Prevention
No open fire and no smoking

Extinction
Sprinkling with water or carbon dioxide

6. MEASURES TO BE TAKEN IN CASE OF UNINTENTIONALLY RELEASE OF DUST

Personal safety measures
See point 8

Instructions for removal
See point 13

7. HANDLING & STORAGE

Storage
Storage separated from oxidants, oils and metal salts. Storage must be dry.

Handling
Moist activated carbon absorbs oxygen from the air, leading to oxygen depletion in the room. In case a person would like to enter an activated carbon filter the oxygen concentration must be measured. Further procedures in respect to potential low oxygen concentrations should be followed and protective gear should be available.

8. MEASURES FOR PERSONAL SAFETY

Inhalation
Local ventilation or breathing protection (filter type P2)

Skin
Gloves

Eyes
Dust protective goggles

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance
Black grains

Odour
No

Boiling point
Not applicable.

Vapor Pressure
0

Solubility
Insoluble in water or organic solvents

PH
Not applicable.

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9. PHYSICAL & CHEMICAL PROPERTIES

Specific density

200 – 600 kg/m³ (see datasheet)

Temperature of ignition

ASTM D 3466 – 76 > 350 °C

“UN recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria (33.3.1.3.3)”

100 mm cube at 140 °C

10. STABILITY & REACTIVITY

Stability

Stable under normal conditions

Dangerous products after decomposition

Carbon dioxide and carbon monoxide

11. TOXICOLOGICAL INFORMATION

Inhalation

Haffmans STC Type B is not a dangerous substance

Consumption

Based on research for medical effects of activated carbon, a consumption of 50 grams (once) has no side effects

Eyes

Possible irritation, no side-effects are known

Skin

No harmful effects are known. Does not penetrate skin

LD₅₀

Not registered

12. ECOLOGICAL INFORMATION

BZV

1 à 2 mg O₂/gram carbon

CZV

2000 mg O₂/gram carbon

Bio degradability

Not bio-degradable

Toxicity for fish

Non toxic LD₅₀ is not applicable; all fish survive a test period of 96 hours in 100 g/l suspension

13. INSTRUCTIONS FOR REMOVAL

Removal of material

Scoop spilt dust and flush the remaining part with a lot of water (extra personal protection: see point 8)

14. INFORMATION IN RELATION TO TRANSPORT

Land (Rail or Road). RID / ADR, class

Not classified by RID / ADR

Transport by inland waterways. ADNR, class, item

Not classified by ADNR

Sea. IMDG class

Not classified by IMDG

Air. ICAO / IATA class

Not classified by ICAO / IATA

15. STATUTORY INFORMATION

Labelling according 548/67 and 379/88 EG

Not registered

Safety symbols**R(isk) sentences****S(safety) sentences**

16. OTHER INFORMATION

Haffmans STC Type B is no dangerous substance

Directive EG 548/67 and 379/88

Not spent activated carbon is not categorized as a substances and can be treated as industrial waste

Directive dangerous goods dangerous (BAGA, Netherlands)

Warning for gas phase applications

High concentrations impurities in the gas phase may cause a considerable amount of heat of adsorption. This heat could lead to a spontaneous coal fire ignition or “hot spot”. Under certain circumstances some chemicals, in contact with the activated carbon, may oxidize, decompose or polymerise. This could lead to potential hazardous situations. Only the Dutch text is decisive.

**HAFFMANS BV**

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