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## HS-AC-P

# Activated Carbon Base of Coal with a Carbon Tetrachloride Activity Safety Data Sheet

Revision date : 2017

### **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

#### 1.1 - Product Identifier

Product Name: HS-AC-P

#### 1.2 - Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Filtration

#### 1.3 - Details of the supplier of the safety data sheet

Hydrosil International Ltd.  
125 Prairie Lake Rd  
East Dundee, IL 60118

T 847-844-0680 - F 847-844-0799  
www.hydrosilintl.com

#### 1.4 - Emergency telephone number

Emergency number : 847-844-0680

### **Section 2: Hazards Identification**

#### 2.1 - Classification of the substance or mixture

GHS-US classification  
Eye Irrit. 2B H320  
STOT SE 3 H335

#### 2.2 - Label Elements

GHS-US labelling  
Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Danger

Hazard statements (GHS-US) :

H320 - Causes eye irritation  
H335 - May cause respiratory irritation

Precautionary statements (GHS-US) :

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray  
P264 - Wash ... thoroughly after handling  
P271 - Use only outdoors or in a well-ventilated area  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing  
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P312 - Call a POISON CENTER/doctor/.../if you feel unwell  
P337+P313 - If eye irritation persists: Get medical advice/attention  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed  
P405 - Store locked up  
P501 - Dispose of contents/container to ...

#### 2.3 - Other Hazards

No additional information available

#### 2.4 - Unknown acute toxicity (GHS US)

No data available

### **SECTION 3: Composition/information on ingredients**

#### 3.1 - Substances

Not applicable

### 3.2 - Mixture

Name	Product Identifier	%	GHS-US Classification
Carbon	(CAS No.) 7440-44-0	100	Not classified

## **SECTION 4: First aid measures**

### 4.1 - Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air. If not breathing, administer CPR or artificial respiration. Get immediate medical attention.

First-aid measures after skin contact : If skin reddening or irritation develops, seek medical attention.

First-aid measures after eye contact : Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.

First-aid measures after ingestion : If the material is swallowed, get immediate medical attention or advice. DO NOT induce vomiting unless directed to do so by medical personnel.

### 4.2 - Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : May cause respiratory irritation.

Symptoms/injuries after skin contact : Causes skin irritation.

Symptoms/injuries after eye contact : Causes eye irritation.

Symptoms/injuries after ingestion : May be harmful if swallowed.

### 4.3 - Indication of any immediate medical attention and special treatment needed

No additional information available

## **SECTION 5: Firefighting measures**

### 5.1 - Extinguishing media

Suitable extinguishing media : If involved with fire, flood with plenty of water.

Unsuitable extinguishing media : None.

### 5.2 - Special hazards arising from the substance or mixture

Fire hazard : None known.

Explosion hazard : None known.

Reactivity : Contact with strong oxidizers such as ozone, liquid oxygen, chlorine, etc. may result in fire.

### 5.3 - Advice for firefighters

Protection during firefighting : Firefighters should wear full protective gear.

## **SECTION 6: Accidental release measures**

### 6.1 - Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with the skin and the eyes.

For non-emergency personnel : No additional information available

For emergency responders : No additional information available

### 6.2 - Environmental precautions

None.

### 6.3 - Methods and material for containment and cleaning up

For containment : If possible, stop flow of product.

Methods for cleaning up : Shovel or sweep up and put in a closed container for disposal.

### 6.4 - Reference to other sections

No additional information available

## **SECTION 7: Handling and storage**

### 7.1 - Precautions for safe handling

Precautions for safe handling : Avoid contact with eyes. Wet activated carbon removes oxygen from air causing a severe hazard to workers inside carbon vessels or confined spaces

### 7.2 - Conditions for safe storage, including any incompatibilities

Storage conditions : Protect containers from physical damage. Store in dry, cool, well-ventilated area.

### 7.3 - Specific end use(s)

No additional information available

## **SECTION 8: Exposure controls/personal protection**

### 8.1 - Control parameters

No additional information available

### 8.2 - Exposure controls

Appropriate engineering controls : Local exhaust and general ventilation must be adequate to meet exposure standards.

Hand protection : None required under normal product handling conditions.

Eye protection : Safety glasses.

Skin and body protection : Wear suitable working clothes.

Respiratory protection : If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

## **SECTION 9: Physical and chemical properties**

### 9.1 - Information on basic physical and chemical properties

Physical state : Solid  
Appearance : Particulate  
Colour : Black  
Odour : No data available  
Odour threshold : No data available  
pH : No data available  
Relative evaporation rate (butylacetate=1) : No data available  
Melting point : No data available  
Freezing point : No data available  
Boiling point : No data available  
Flash point : No data available  
Self ignition temperature : No data available  
Decomposition temperature : No data available  
Flammability (solid, gas) : No data available  
Vapour pressure : No data available  
Relative vapour density at 20 °C : No data available  
Relative density : No data available  
Solubility : No data available  
Log Pow : No data available  
Log Kow : No data available  
Viscosity, kinematic : No data available  
Viscosity, dynamic : No data available  
Explosive properties : No data available  
Oxidising properties : No data available  
Explosive limits : No data available

### 9.1 - Other information

No additional information available

## **SECTION 10: Stability and reactivity**

### 10.1 - Reactivity

Contact with strong oxidizers such as ozone, liquid oxygen, chlorine, etc. may result in fire.

### 10.2 - Chemical stability

Stable under normal conditions.

### 10.3 - Possibility of hazardous reactions

Will not occur

### 10.4 - Conditions to avoid

None

### 10.5 - Incompatible materials

Strong oxidizers such as ozone, liquid oxygen, chlorine, etc

### 10.6 - Hazardous decomposition products

Carbon monoxide may be generated in the event of fire.

## **SECTION 11: Toxicological information**

### 11.1 - Information on toxicological effects

Acute toxicity : Not classified

<b>Zeolite (1318-02-1)</b>	
LD50 oral rat	> 10000 mg/kg

Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
Specific target organ toxicity (single exposure) : May cause respiratory irritation.  
Specific target organ toxicity (repeated exposure) : Not classified  
Aspiration hazard : Not classified

## **SECTION 12: Ecological information**

### 12.1 - Toxicity

No additional information available

- 12.2 - Persistence and degradability  
No additional information available
- 12.3 - Bioaccumulative potential  
No additional information available
- 12.4 - Mobility in soil  
No additional information available
- 12.5 - Other adverse effects  
No additional information available

**SECTION 13: Disposal considerations**

- 13.1 - Waste treatment methods

Waste disposal recommendations : Dispose of contents/container in accordance with local/regional/national/international regulations.

**SECTION 14: Transport information**

In accordance with DOT / ADR / RID / ADNR / IMDG / ICAO / IATA

- 14.1 - UN number  
Not applicable
- 14.2 - UN proper shipping name  
Not applicable

**SECTION 15: Regulatory information**

- 15.1 - US Federal regulations

<b>Carbon (7440-44-0)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory

- 15.2 - US State regulations  
No additional information available

**SECTION 16: Other information**

Full text of H-phrases:

Eye Irrit. 2B	Serious eye damage/eye irritation Category 2B
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H335	May cause respiratory irritation

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 0 - Materials that will not burn.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water

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