

## SAFETY DATA SHEET

(according to 1907/2006/EC, article 31)

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Version: 2

Revision: 1

Date of last update: April 2018

**TRADE NAME: HYDRAFFIN 40N**

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1- Product identifier.

Trade name: HYDRAFFIN 40N  
CAS Number: 7440-44-0  
CE Number: 931-328-0  
REACH Registration number: 01-2119488894-0032

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

No further relevant information available.  
**Life cycle stages:** PW Widespread use by professional workers  
**Application of the substance / the preparation:** Adsorbent. Applications, among others, liquid, air and gas purification

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

**Manufacturer/Supplier:** ChiemiVall, S.L.  
C/ Comunicacions, 9  
P.I. Santa Rita  
08755 Castellbisbal (Barcelona)  
Telf. +34.93.715.67.29  
Fax +34.93.725.13.70

#### 1.4- Emergency telephone number: +34.93.715.67.29 (9 - 18h).

### SECTION 2: HAZARDS IDENTIFICATION

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

**Classification according to Regulation (EC) No 1272/2008:** The substance is not classified according to the CLP regulation.

**Classification according to Directive 67/548/EEC or Directive 1999/45/EC**  
The product is not a dangerous substance according to Directive 67/548/EEC.

**Classification system:**

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

#### 2.2- Label elements.

**Labelling according to Regulation (EC) No 1272/2008** Void  
**Hazard pictograms** Void  
**Signal word** Void  
**Hazard statements** Void

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### 2.3- Other hazards.

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1- Chemical characterisation:

**Substances:** Activated carbon, water steam activated (High Density Skeleton) - Granulate

**CAS No. Designation:** 7440-44-0 Activated Carbon, High Density Skeleton

**Identification number(s):**

**EC number:** 931-328-0

## SECTION 4: FIRST AID MEASURES

### 4.1- Description of first aid measures.

**General information** Take affected persons into the open air.

**After inhalation** Supply fresh air; consult doctor in case of symptoms.

**After skin contact** The product is not skin irritating.

**After eye contact** Rinse opened eye for several minutes under running water.

**After swallowing** Rinse out mouth and then drink plenty of water.

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

No further relevant information available.

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

No further relevant information available.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1- Extinguishing media.

**Suitable extinguishing agents** Water spray jet

Foam

**For safety reasons unsuitable extinguishing agents** Carbon dioxide

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

Can be released in case of fire: carbon monoxide (CO)

carbon dioxide (CO<sub>2</sub>)



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### **5.3- Advice for firefighters.**

**Protective equipment:** No special measures required.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Avoid causing dust.  
Ensure adequate ventilation

### **6.2- Environmental precautions.**

No special measures required.

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

Collect mechanically.  
Dispose of contaminated material as waste according to chapter 13.

### **6.4- Reference to other sections.**

No dangerous materials are released.

## **SECTION 7: HANDLING AND STORAGE**

### **7.1- Precautions for safe handling.**

No special measures required.

**Information about protection against explosions and fires:** Keep ignition sources away - Do not smoke.

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

#### **Storage:**

**Requirements to be met by storerooms and containers:** Store only in the original container.

**Information about storage in one common storage facility:**

Keep separately from oxidizing agents, solvents and other chemicals.

**Further information about storage conditions:** Store under dry conditions.

### **7.3- Specific end use(s).**

No further relevant information available.

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Additional information about design of technical systems:** No further data; see chapter 7.

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**8.1- Control parameters.**

**Components with critical values that require monitoring at the workplace:**

DNEL	
Carbón activado, High Density Skeleton	
WEL	Long-term value: 10* 4** mg/m <sup>3</sup>

**Additional information:** The lists that were valid during the compilation were used as basis.

**8.2- Exposure controls.**

**Personal protective equipment.**

**General protective and hygienic measures:**

The usual precautionary measures should be adhered to in handling the chemicals.

Wash hands during breaks and at the end of the work.

Use skin protection cream for preventive skin protection.

**Breathing equipment:**

Use breathing protection with high concentrations.

Short term filter device:

Filter A2-P2.

**Protection of hands:**

Protective gloves (EN 374)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the

preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the

degradation

**Material of gloves**

Leather gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of

quality and varies from manufacturer to manufacturer.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has

to be observed.

**Eye protection:** Safety glasses recommended during refilling.

**Body protection:** Protective work clothing: DIN EN 13034

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**



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**9.1- Information on basic physical and chemical properties.**
**General information**

<b>Appearance:</b>	
<b>Form:</b>	Granulate
<b>Colour:</b>	Black
<b>Smell:</b>	Product specific
<b>pH-value (- g/l) at 20 °C:</b>	9
<b>Change in condition:</b>	
<b>Melting point/Melting range:</b>	Not determined
<b>Boiling point/Boiling range:</b>	Not determined
<b>Flash point:</b>	Not applicable
<b>Inflammability (solid, gaseous):</b>	Product is not flammable
<b>Ignition temperature:</b>	>400°C
<b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive dust/air mixtures is possible.
<b>Critical values for explosion:</b>	
<b>Lower:</b>	Not determined
<b>Upper:</b>	Not determined
<b>Vapour pressure:</b>	Not applicable
<b>Settled apparent density at 20 °C:</b>	250-600 Kg/m <sup>3</sup>
<b>Solubility in / Miscibility with</b>	
<b>Water:</b>	Unsoluble
<b>Viscosity</b>	
<b>Dynamic:</b>	Not applicable

**9.2- Other information.**

No further relevant information available.

**SECTION 10: STABILITY AND REACTIVITY**
**10.1- Reactivity.**

No further relevant information available.

**10.2- Chemical stability.**
**Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

**10.3- Possibility of hazardous reactions.**

The product is not capable of dust explosion in the form supplied; however, could lead to the enrichment with fine dust explosion.

**10.4- Conditions to avoid.**

No further relevant information available.

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**10.5- Incompatible materials.**

No further relevant information available.

**10.6- Hazardous decomposition products.**

carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>).

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1- Information on toxicological effects.**

**Acute toxicity:**

**LD/LC50 values that are relevant for classification:**

**Carbón activado, High Density Skeleton**

Oral	LD50	>2000 mg/Kg (rat) (OECD 423)
Inhalative	LC50/1h	>64,4 mg/4 mg/l (rat)

**Primary irritant effect:**

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/irritation** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):**

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**STOT-single exposure** Based on available data, the classification criteria are not met.

**STOT-repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

**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- Bioaccumulative potential.**

No further relevant information available.

**12.4- Mobility in soil.**

No further relevant information available.

**Additional ecological information:**



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**General notes:** not hazardous for water.

**12.5- Results of PBT and vPvB assessment.**

PBT: Not applicable.

vPvB: Not applicable.

**12.6- Other adverse effects.**

No further relevant information available.

### SECTION 13: DISPOSAL CONSIDERATIONS

**13.1- Waste treatment methods.**

**Recommendation:** Contact manufacturer for recycling information.

Disposal according to official regulations.

**European Waste Catalogue**

06 00 00	WASTES FROM INORGANIC CHEMICAL PROCESSES
06 13 00	Wastes from inorganic chemical processes not otherwise specified
06 13 02*	spent activated carbon (except 06 07 02)

**Uncleaned packagings:**

**Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: TRANSPORT INFORMATION

**14.1- UN Number.**

ADR/RID/ADN, ADN, IMDG, IATA: Void.

**14.2- UN proper shipping name.**

ADR/RID/ADN, ADN, IMDG, IATA: Void.

**14.3- Transport hazard class(es).**

ADR/RID/ADN, ADN, IMDG, IATA.

Class: Void.

**14.4- Packing group.**

ADR/RID/ADN, ADN, IMDG, IATA: Void.

**14.5- Environmental hazards.**

Marine pollutant: No

**14.6- Special precautions for user.**

Not applicable.

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code.**

Not applicable.

**Transport/Additional information.**

Not dangerous according to the above regulations.

**UN "Model Regulation".**

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Void.

**SECTION 15: REGULATORY INFORMATION**

**15.1- Safety, health and environmental regulations/legislation specific for the substance or mixture.**

**National regulations.**

**Water hazard class:** not hazardous for water.

**15.2- Chemical safety assessment**

A Chemical Safety Assessment has not been carried out.

**SECTION 16: OTHER INFORMATION**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Department issuing data specification sheet: Product safety department**

**Abbreviations and acronyms:**

RID	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO	International Civil Aviation Organisation
ADR	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG	International Maritime code for Dangerous Goods
IATA	International Air Transport Association
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
EINECS	European Inventory of Existing Commercial Chemical Substances
CAS	Chemical Abstracts Service (division of the American Chemical Society)
DNEL	Derived No-Effect Level (REACH)
LC50	Lethal concentration, 50 percent
LD50	Lethal dose, 50 percent
PBT	Persistent, Bioaccumulative and Toxic
VpVb	Very Persistent and very Bioaccumulative