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**20476-2010**

Date: 1/98

# DIN safety data sheet

MSDS is available from the following sources: (1) www.bertin.de Sales No. 11628

<b>Company</b> BLEISTIFTFABRIK HERM GMBH, AUSTRIA	
<b>Commercial product name</b> 180 00, 180 04, 180 08 - GRAPHITE AQUARELL PENCIL (180/HB, 4B, 8B)	
1.1	<b>Chemical characterization:</b> HARDENED MIXTURE OF GRAPHITE, KAOLIN, TYLOSE AND POLYETHYLENE-GLYCOL, WOOD ENCASED. LACQUER
1.2	<b>Form:</b> CYLINDRICAL
1.3	<b>Colour:</b> GREY - BLACK
1.4	<b>Odour:</b> NONE
<b>2 Physical data and safety data</b> <span style="float: right;">Tested in accordance with:</span>	
2.1	<b>Change in physical state</b>
2.2	<b>Density</b> ( °C) g/cm <sup>3</sup> <b>Bulk density</b> kg/m <sup>3</sup>
2.3	<b>Vapour pressure</b> ( °C) mbar
2.4	<b>Viscosity</b> ( °C) mbar
2.5	<b>Solubility in water</b> ( °C) g/l <b>in</b> ( °C) <b>INSOLUBLE</b> g/l
2.6	<b>pH value</b> (at g/l H <sub>2</sub> O) ( °C)
2.7	<b>Flash point</b> °C
2.8	<b>Ignition temperature</b> °C
2.9	<b>Explosion limits</b> Lower: Upper:
2.10	<b>Thermal decomposition</b>
2.11	<b>Hazardous decomposition products</b>
2.12	<b>Hazardous reactions</b> NONE AT CORRECT HANDLING
2.13	<b>Further information</b>
<b>3 Transport</b> GGVSee/IMDG code: UN No. ICAO/IATA-DGR: GGVE/GGVS: RID/ADR: ADNR: Other information:	
<b>4 Regulations</b>	

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**Commercial product name** 180 00 - 08 GRAPHITE AQUARELL PENCILS

**5 Protective measures, storage and handling**

**5.1 Technical protective measures**

**5.2 Personal protective equipment**      **Respiratory protection:**      **Eye protection:**  
**Hand protection:**      **Other:**

**5.3 Industrial hygiene**      WASH HANDS AFTER USE

**5.4 Protection against fire and explosion**      NONE

**5.5 Disposal**

**6 Measures in case of accidents and fires**

**6.1 After spillage / leakage / gas leakage**

**6.2 Extinguishing media**      Suitable.      WATER, FOAM. DRY EXTINGUISHING MATERIAL

Not to be used:

**6.3 First aid**      VISIT PHYSICIAN IF SWALLOWED

**6.4 Further information**

**7 Information on toxicity**

NO HARM TO THE HUMAN HEALTH KNOWN

**8 Information on ecological effects**

NO NEGATIVE ECOLOGICAL EFFECTS KNOWN

**9 Further information**

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# DIN safety data sheet

Date: 6/98

**Company** CRETACOLOR - BLEISTIFTFABRIK HIRM GMBH, AUSTRIA

**Commercial product name** LEAD "NEGRO", ITEM NO. 261 01, 261 02

**1.1 Chemical characterization:** BURNT MIXTURE OF SOOT AND CLAY, IMPREGNATED WITH STEARIN

**1.2 Form:** CYLINDRICAL

**1.3 Colour:** BLACK

**1.4 Odour:** NONE

**2 Physical data and safety data**

Tested in accordance with:

**2.1 Change in physical state**

°C  
°C

**2.2 Density** ( °C) g/cm<sup>3</sup>  
**Bulk density** kg/m<sup>3</sup>

**2.3 Vapour pressure** ( °C) mbar  
( °C) mbar

**2.4 Viscosity** ( °C)

**2.5 Solubility in water** ( °C) NONE g/l  
in ( °C) g/l

**2.6 pH value** (at g/l H<sub>2</sub>O) ( °C)

**2.7 Flash point** °C

**2.8 Ignition temperature** °C

**2.9 Explosion limits** Lower Upper:

**2.10 Thermal decomposition**

**2.11 Hazardous decomposition products**

**2.12 Hazardous reactions** NONE AT CORRECT HANDLING

**2.13 Further information**

**3 Transport** GGVSee/IMDG code: GGVE/GGVS

UN No.: RID/ADR

ICAO/IATA-DGR: ADNR

Other information

**4 Regulations**

DIN 51628 (Safety sheet) in accordance with DIN 52397, obtainable from Beuth Verlag GmbH, D 1100 Berlin, 30 - Sales No 11 6728

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**Commercial product name** LEAD "NEGRO", ITEM NO. 261 01, 261 02**5 Protective measures, storage and handling****5.1 Technical protective measures****5.2 Personal protective equipment**      **Respiratory protection:**      **Eye protection:**  
**Hand protection:**      **Other:****5.3 Industrial hygiene**      WASH HANDS AFTER USE**5.4 Protection against fire and explosion****5.5 Disposal****6 Measures in case of accidents and fires****6.1 After spillage / leakage / gas leakage****6.2 Extinguishing media**      **Suitable:**      WATER, FOAM, DRY EXTINGUISHING MATERIAL**Not to be used:****6.3 First aid**  
VISIT PHYSICIAN IF SWALLOWED**6.4 Further information****7 Information on toxicity**

NO HARM TO THE HUMAN HEALTH KNOWN

**8 Information on ecological effects**

NO NEGATIVE ECOLOGICAL EFFECTS KNOWN

**9 Further information**

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# DIN safety data sheet

Date: 04/99

**Company** CRETACOLOR BLEISTIFTFABRIK HIRM GMBH

**Commercial product name** AQUA MONOLITH 250 . .

1.1 **Chemical characterization:** MIXTURE OF FILLING MATERIAL AS KAOLIN; TALCUM; CMC AS BINDER; COLOR PIGMENTS; POLYTHYLENE-GLYCOL; LACQUER

1.2 **Form:** CYLINDRICAL      1.3 **Colour:** CORRESP: TO THE LEAD      1.4 **Odour:** NONE

**2 Physical data and safety data**

Tested in accordance with:

2.1 **Change in physical state**

°C  
°C

2.2 **Density** ( °C)      g/cm<sup>3</sup>  
**Bulk density**      kg/m<sup>3</sup>

2.3 **Vapour pressure** ( °C)      mbar  
( °C)      mbar

2.4 **Viscosity** ( °C)

2.5 **Solubility in water:** ( °C)      WATERSOLUBLE      g/l  
in ( °C)      LEAD MIXTURE      g/l

2.6 **pH value** (at g/l H<sub>2</sub>O) ( °C)

2.7 **Flash point** °C

2.8 **Ignition temperature** °C

2.9 **Explosion limits**      Lower:      Upper:

2.10 **Thermal decomposition**

2.11 **Hazardous decomposition products**

2.12 **Hazardous reactions**  
NONE AT CORRECT HANDLING

2.13 **Further information**

3 **Transport**      GGVSee/IMDG code:      UN No.:      ICAO/IATA-DGR:  
GGVE/GGVS:      RID/ADR:      ADNR:  
Other information:

4 **Regulations**  
NONE

DIN safety data sheet in accordance with DIN 52 900; obtainable from Beuth Verlag GmbH, D-1000 Berlin 30 - Sales No. 11 628





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## SAFETY DATA SHEET

according to 91/155 EC

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This product should be handled and stored appropriately, storage in dry conditions.

### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Not believed to be significant as supplied.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM	cylindrical
COLOUR OF LEAD:	black
ODOUR	none
CHANGE IN PHYSICAL STATE	--
DENSITY	--
SOLUBILITY IN WATER	non-soluble
PH VALUE	--

### 10. STABILITY AND REACTIVITY

CONDITIONS TO BE AVOIDED	stable and inert under normal conditions
DANGEROUS REACTIONS	none known
DANGEROUS PRODUCTS OF COMPOSITION	none

### 11) TOXICOLOGICAL INFORMATION

ACUTE TOXICITY	none
PRIMARY IRRITANT EFFECT ON THE SKIN	none
ON THE EYE	none
SENSITIZATION	none
ADD. TOXICOLOGICAL INFORMATION	none

### 12. ECOLOGICAL INFORMATION

GENERAL DATA	no negative ecological effects known
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**SAFETY DATA SHEET**

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**13. DISPOSAL CONSIDERATIONS**

Dispose of in accordance with all Local and National regulations.

**14. TRANSPORT INFORMATION**

Not regulated by National or International transport regulations.

**15. REGULATORY INFORMATION**

Not classified as a dangerous substance under current legislation.

**16. OTHER INFORMATION**

Recommended uses:

as writing material

Restrictions for use:  
months

not suitable for children aged under 36

The information provided in this document is given in good faith. The information is accurate to the best of our knowledge and represents the most up-to-date information available to us. The product should be used and handled in accordance to the advice given.