

## SDS Report

No. SHAEC1612242901

Date: Jul. 21, 2016

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GOALMAC INTERNATIONAL LTD.  
ROOM 505, FUXIN INTERNATIONAL BUILDING, NO.359 HONGWU ROAD, NANJING, CHINA, 210002

Ref. No. : SP16-020332-SH  
Sample Name : BLACK CHALK  
End Uses : MARKING CHALK  
Composition/Ingredient of sample (as per client submission) : See *Section 3 Composition/information on ingredients* on the SDS report  
Job Receiving Date : Jun 06, 2016  
Last Information Date : Jun 13, 2016  
SDS Preparation Period : Jun 06 ~ Jun 16, 2016

Service Requested : Preparation of Safety Data Sheet (SDS) for the sample with submitted information.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with European Commission Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 and Regulation (EU) No 2015/830, and is provided per attached.

**Safety data sheet**  
Regulation(EC) No. 1907/2006, 1272/2008

Printing date 18.07.2016

Revision: 15.06.2016

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

- **1.1 Product identifier**
    - Trade name: **BLACK CHALK**
    - Article number: 9-47-822
  - **1.2 Relevant identified uses of the substance or mixture and uses advised against**
    - Application of the substance / the mixture **MARKING CHALK**
  - **1.3 Details of the supplier of the safety data sheet**
    - Manufacturer/Supplier:  
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Tel: +44 (0) 344 892 0111 (for healthcare professional)  
+44 (0) 845 46 47 (in England or Wales)  
+44 (0) 8454 24 24 24 (in Scotland)
- **1.5 Reference Number:** SP16-020332-SH; SHAEC1612242901

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
    - Classification according to Regulation (EC) No 1272/2008  
The product is not classified according to the CLP regulation.
    - Information concerning particular hazards for human and environment:  
The product has not to be labelled due to the calculation procedure of Regulation 1272/2008/EC.
    - Classification system:  
The classification is according to the latest edition of EU Regulation 1272/2008/EC, and extended by company and literature data.
- 
- **2.2 Label elements**
    - Labelling according to Regulation (EC) No 1272/2008 Not applicable
    - Hazard pictograms Not applicable
    - Signal word Not applicable
    - Hazard-determining components of labelling: Not applicable
    - Hazard statements Not applicable
    - Precautionary statements Not applicable
  - **2.3 Other hazards**
    - Results of PBT and vPvB assessment
    - PBT: Not applicable
    - vPvB: Not applicable

### SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
  - Description: Mixture of the substances listed below with nonhazardous additions.

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**· Composition:**

CAS: 471-34-1 EINECS: 207-439-9	calcium carbonate	substance with a Community workplace exposure limit	73,0%
CAS: 1317-61-9 EINECS: 215-277-5	triiron tetraoxide		27,0%

· **Remark:** All ingredients listed above are not classified according to EU Regulation 1272/2008/EC.

**SECTION 4: First aid measures****· 4.1 Description of first aid measures**

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:**

Wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:**

Rinse out mouth with water.

Never give anything by mouth to an unconscious person.

Seek medical treatment.

· **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:**

CO<sub>2</sub> powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **5.2 Special hazards arising from the substance or mixture** No further relevant information available.

**· 5.3 Advice for firefighters**

· **Protective equipment:**

Wear fully protective suit.

Wear self-contained respiratory protective device.

**SECTION 6: Accidental release measures****· 6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Avoid formation of dust.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Avoid contact with eyes.

Avoid contact with skin.

· **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

**· 6.3 Methods and material for containment and cleaning up:**

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

**· 6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Thorough dedusting.  
Ensure good ventilation/exhaustion at the workplace.  
Keep receptacles tightly sealed.  
Keep away from heat and direct sunlight.  
Prevent formation of dust.  
Avoid contact with skin and eyes.  
For the general occupational hygienic measures refer to section 8.
- **Information about fire - and explosion protection:** Keep respiratory protective device available.
- **7.2 Conditions for safe storage, including any incompatibilities:**
- **Requirements to be met by storerooms and receptacles:**  
Store in a cool location.  
Store only in the original receptacle.
- **Information about storage in one common storage facility:**  
Store away from foodstuffs.  
Do not store together with acids.  
Protect from humidity and water.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
  - **Ingredients with limit values that require monitoring at the workplace:**
- |  |
|--|
| 471-34-1 calcium carbonate (73,0%)                   |
| VME (France)   Long-term value: 10 mg/m <sup>3</sup> |
- **DNELs:** Data not available
  - **PNECs:** Data not available
  - **Additional information:** The lists valid during the making were used as basis.
  - **8.2 Exposure controls**
  - **Based on composition shown in Section 3, the following measures are suggested for occupational safety measure:**
  - **Appropriate engineering controls:** See Section 7 for information about design of technical facilities.
  - **Personal protective equipment:**
  - **Respiratory protection:** Suitable respiratory protective device recommended.
  - **Protection of hands:**



Protective gloves

- 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:**

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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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **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:**



Tightly sealed goggles

· **Environmental exposure controls:**

Control measures must be made in accordance with Community environmental protection legislation.

### SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **Appearance:**

Form: Powder

Colour: Black

· **Odour:** Odourless

· **Odour threshold:** Data not available.

· **pH-value:** Data not available

· **Change in condition**

Melting point/Melting range: Data not available.

Boiling point/Boiling range: Data not available

· **Freezing point:** Data not available

· **Flash point:** Data not available

· **Flammability (solid, gaseous):** Date not available.

· **Auto-Ignition temperature:** Data not available

· **Decomposition temperature:** Date not available.

· **Self-igniting:** Product is not selfigniting.

· **Explosive properties:** Product does not present an explosion hazard.

· **Explosion limits:**

Lower: Data not available.

Upper: Data not available.

· **Oxidising properties** Data not available.

· **Vapour pressure:** Date not available.

· **Density:** Data not available.

· **Relative density** Data not available.

· **Vapour density** Date not available.

· **Evaporation rate** Data not available

· **Solubility in / Miscibility with water:**

Data not available

· **Partition coefficient (n-octanol/water):** Data not available.

· **Viscosity:**

Dynamic: Data not available

Kinematic: Data not available

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· **9.2 Other information** *No further relevant information available.*

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

- **10.1 Reactivity** *No decomposition if used according to specification.*
- **10.2 Chemical stability** *Stable under recommended storage conditions.*
- **10.3 Possibility of hazardous reactions** *No dangerous reactions known.*
- **10.4 Conditions to avoid** *No further relevant information available.*
- **10.5 Incompatible materials:** *Acids*
- **10.6 Hazardous decomposition products:** *No dangerous decomposition products known.*

### **SECTION 11: Toxicological information**

- **11.1 Information on toxicological effects**
- **Acute toxicity** *Based on available data, the classification criteria are not met.*

· **LD/LC50 values relevant for classification:**

**471-34-1 calcium carbonate**

Oral	LD50	6450 mg/kg (rat)
------	------	------------------

**1317-61-9 triiron tetraoxide**

Oral	LD50	>5000 mg/kg (rat)
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- **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.*
- **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.*
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*
- **vPvB:** *Not applicable.*
- **12.6 Other adverse effects** *No further relevant information available.*
- **12.7 Additional ecological information:**
- **General notes:** *Generally not hazardous for water*

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### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- *Recommendation* Smaller quantities can be disposed of with household waste.
- **Uncleaned packaging:**
- *Recommendation:* Disposal must be made according to official regulations.

### SECTION 14: Transport information

- |  |  |
|--|--|
| · <b>14.1 UN-Number</b>  |  |
| · ADR,RID,ADN, IMDG, IATA  | Not applicable                                       |
| · <b>14.2 UN proper shipping name</b>  |  |
| · ADR,RID,ADN, IMDG, IATA  | Not applicable                                       |
| · <b>14.3 Transport hazard class(es)</b>   |  |
| · ADR,RID,ADN, IMDG, IATA  |  |
| · Class  | Not applicable                                       |
| · <b>14.4 Packing group</b>  |  |
| · ADR,RID,ADN, IMDG, IATA  | Not applicable                                       |
| · <b>14.5 Environmental hazards</b>  | Not applicable.                                      |
| · <b>14.6 Special precautions for user</b>                                       | Not applicable.                                      |
| · <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable.                                      |
| · <b>14.8 Transport/Additional information:</b>                                  | Not dangerous according to the above specifications. |
| · UN "Model Regulation":   | -  |

### SECTION 15: Regulatory information

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

- **MAK (German Maximum Workplace Concentration)**

None of the ingredients is listed.

- **Directive 2012/18/EU**

- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

- **National regulations:**

- **Waterhazard class:** Generally not hazardous for water.

- **Other regulations, limitations and prohibitive regulations**

- **SVHC Candidate List of REACH Regulation Annex XIV Authorisation (20/6/2016)**

None of the ingredients is listed.

- **REACH Regulation Annex XVII Restriction (24/6/2016)**

See Section 16 for information about restriction of use.

None of the ingredients is listed.

- **REACH Regulation Annex XIV Authorization List (14/8/2014)**

None of the ingredients is listed.

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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### SECTION 16: Other information

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The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

#### DISCLAIMER OF LIABILITY

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

#### Abbreviations and acronyms:

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

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

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