



A.S. HANDOVER LTD.

*Manufacturers of the Finest Quality Brushes*

UNIT 8 LEEDS PLACE TOLLINGTON PARK LONDON N4 3QW

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## PRODUCT DATA SHEET

### WHITING

#### 1. Identification of the Substance and of the company

Product: Whiting

Company A.S.Handover Ltd.  
Unit 8, Leeds Place, Tollington Park,  
LONDON N4 3RF

Telephone 0207 272 9624

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## 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Contains:** Natural, ground calcium carbonate ( $\text{CaCO}_3$ : CAS-No. 1317-65-3) mixed with 0.4 - 2.8% auxiliary agents. Silica, quartz (naturally-occurring component of calcium carbonate) typical 0.05 - 0.5%.  
Quartz: 0.1mg/m<sup>3</sup> 8hr TWA MEL.

## 3. HAZARDS IDENTIFICATION

**Main hazards:** No significant hazard.

## 4. FIRST AID MEASURES (SYMPTOMS)

## 4. FIRST AID MEASURES (ACTION)

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes. If eye irritation persists, consult a specialist.

**Ingestion:** Wash out mouth with water. Seek medical attention if you feel unwell.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Seek medical attention if you feel unwell.

## 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Non-Flammable substance, not applicable. Suitable extinguishing media for the surrounding fire should be used.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Do not create dust.

**Clean-up procedures:** Transfer to a suitable container. Avoid contact with acids.

[cont...]

**WHITING****7. HANDLING AND STORAGE**

**Handling requirements:** Ensure there is sufficient ventilation of the area.

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed. Do not store near acid.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Respirable dust**

**TWA (8 hr exposure limit):** 4 mg/m<sup>3</sup> (OES)

**Hazardous ingredients:** CALCIUM CARBONATE - LIMESTONE

**TWA (8-hr exposure limit):** 10mg/m<sup>3</sup> (OES)

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Respiratory protective device with particle filter.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Powder

**Colour:** White

**Odour:** Odourless

**Solubility in water:** Slightly soluble

**Melting point/range°C:** 1340°C (102 bar)

**Flash point°C:** Not applicable.

**Part.coef. n-octanol/water:** <1

**Autoflammability°C:** Not auto-flammable.

**Vapour pressure:** Negligible.

**Relative density:** 2.7 g/cm<sup>3</sup> (20°C)

**pH:** 8.5-9.6

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.

**Materials to avoid:** Acids.

**Haz. decomp. products:** Can react with acids under the formation of carbon dioxide which can displace oxygen (danger of suffocation).

**11. TOXICOLOGICAL INFORMATION**

**Acute toxicity:** BRITOMYA M, V, S, C, OL. MORDEN R.T. CRETA PRAEPARATA V, FF. SUNCAL

ORL RAT LD50 >6000 mg/kg

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity:** A fine whiting of good brightness.

ALGAE 72H LC50 > 200 mg/l

DAPHNIA 48H LC50 > 1000 mg/l

FISH 96H LC50 >10,000 mg/l

[cont...]



**WHITING**

**Mobility:** Non-volatile.

**Persistence and degradability:** Not biodegradable.

**Bioaccumulative potential:** No data available.

**13. DISPOSAL CONSIDERATIONS**

**Disposal operations:** D1 Tipping above or underground (e.g. landfill, etc.).

**Disposal of packaging:** Dispose of as normal industrial waste.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**14. TRANSPORT INFORMATION****ADR / RID**

UN no: -

Shipping name: "NOT SUBJECT TO ADR"

**IMDG / IBCO**

UN no: -

**IATA / ICAO**

UN no: -

**15. REGULATORY INFORMATION**

**Hazard symbols:** No significant hazard.

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

**16. OTHER INFORMATION**

**Other information:** Complies with Directives (2001/58/EC), (1999/45/EC), (91/155/EEC), (67/548/EEC) as amended and Chemicals (hazard information and packaging for supply) 2002 (CHIP3) Regulation, EH40.

Switzerland:- classified as a non-toxic product under BAG T Nr 617300

Europe/EG:- EINECS listed under No. 215-279-8

USA- TSCA Inventory listed under CAS No. 1317-65-3



# WHITING

Japan:- MITI registered

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Australia:- ACOIN edition 92 listed under CAS-No. 1317-65-3

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Canada:- Limestone is exempt from the PDSL (naturally-occurring substance).

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People's Rep. of China:-1317-65-3

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South Korea:-1317-65-3

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**Legal disclaimer:** The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.

The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.

The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.



# PRODUCT DATASHEET

## WHITING

### BRIEF DESCRIPTION OF THE PRODUCT:

A fine whiting of good brightness.

### CHEMICAL ANALYSIS OF THE RAW MATERIAL:

CaCO <sub>3</sub>	98.0	%
SiO <sub>2</sub>	0.8	%
Fe <sub>2</sub> O <sub>3</sub>	0.1	%
HCl insoluble residue	1.0	%

### SPECIFIC PRODUCT DATA:

Fineness:		
• Residue > 45µm slow (ISO 787/7)	0.05	%
• Top cut (d98%)	25	µm
• Mean particle size (d50%)	3.3	µm
• Particles < 2µm	90	%
Whiteness:		
• Brightness (Ry, C/2°, DIN 53163)	87.2	%

### GENERAL PRODUCT DATA:

Moisture ex works (ISO 787/2)	0.1	%
Specific gravity (ISO 787/10)	2.7	g/ml
Loose bulk density (ISO 787/11)	750	Kg/m <sup>3</sup>
Packed bulk density (ISO 787/11)	1100	Kg/m <sup>3</sup>
Oil absorption (Linseed oil) (ISO 787/5)	16	g/100g
Oil absorption (DOP) (ISO 787/5)	26	g/100g
pH value (10% suspension) (ISO 787/9)	9.0	

Main product applications:

Surface coatings

### PARTICLE SIZE DISTRIBUTION (Sedigraph 5100)



