



## MATERIAL SAFETY DATA SHEET

# NORSKI GLUE POWDER

Effective Date : June 2012

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## I. Identification

**SUPPLIER:** Norski Holdings Ltd, 10 Northpoint Street, Plimmerton, 5024 New Zealand

**PRODUCT NAME:** Aerosil 200

**OTHER NAMES:** Norski Glue Powder

**USE:** Sealant, coloured printing inks, paints and lacquers, adhesive, silicone rubber.

**FUNCTION:** Anticaking agent, antiblocking agent, coating agent, dispersing agent, free flow agent, reinforcing agent, carrier.

## II. Hazards Identification

This material is non-hazardous according to criteria of Australian Safety and Compensation Council (ASCC). Not classified as Dangerous Goods by criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail.

This material is non-hazardous according to criteria of NZ Hazardous Substances and New Organisms Act 1996.

## III. Ingredients

Silicon dioxide, chemically prepared                      Ø 100%

CAS No.                      112945-52-5, 7631-86-9

Refer Section 16 for text of risk phrases.

## IV. First Aid Measures

**INHALATION:** In case product dust is released: possible discomfort – cough, sneezing. Move victim to fresh air.

**SKIN:** Wash off with soap and plenty of water.

**EYE:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes or until all material has been removed. Obtain medical attention.

**INGESTION:** If accidentally swallowed, rinse mouth thoroughly with water and afterwards, drink plenty of water. In case of discomfort, obtain medical attention.

**EMERGENCY:** 0800 POISON (764 766)

## V. Fire-fighting Measures

**SUITABLE EXTINGUISHING MEDIA:** All extinguishing substances suitable.

**HAZARDS FROM COMBUSTION PRODUCTS:** None known.

**FURTHER INFORMATION:** Water used to extinguish fire should not enter drainage systems, soil or stretches of water. Ensure there are sufficient retaining facilities for water used to extinguish fire. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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HAZCHEM CODE: Not applicable.

### VI. Accidental Release Measures

**PERSONAL PRECAUTIONS:** Use personal protective equipment.

**METHODS FOR CLEANING UP:** Sweep up or vacuum up spillage and collect in suitable container for disposal.

### VII. Handling & Storage

#### HANDLING

**SAFE HANDLING ADVICE:** If necessary: local ventilation.

**ADVICE ON PROTECTION AGAINST FIRE AND EXPLOSION:** Take precautionary measures against static discharges.

#### STORAGE

**REQUIREMENTS FOR STORAGE AREAS AND CONTAINERS:** Keep in a dry place.

### VIII. Exposure Controls / Personal Protection

**BIOLOGICAL LIMIT VALUES:** No biological limit allocated.

**COMPONENTS WITH WORKPLACE CONTROL PARAMETERS:** Silicon dioxide, chemically prepared.

**CAS NO:** 112945-52-5, 7631-86      **EC No.** 231-545-4  
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**CONTROL PARAMETERS:** 2mg/m<sup>3</sup>      time Weighted Average (TWA):(AU OEL)

**TYPE OF EXPOSURE:** Respirable fraction.

#### PERSONAL PROTECTIVE EQUIPMENT

**RESPIRATORY PROTECTION:** No special protective equipment required. If dust occurs, dust mask with P2 particle filter.

**SKIN PROTECTION:** Wear protective gloves made of the following materials: material, rubber, leather. The material thickness and rupture time data do not apply to non-solute solids/dusts.

**EYE PROTECTION:** Safety glasses with side-shields. If dust occurs: basket-shaped glasses.

**SKIN AND BODY PROTECTION:** No special protective equipment required, preventive skin protection.

**HYGIENE MEASURES:** When using, do not eat, drink or smoke. Wash face and/or hands before break and end of work. To ensure ideal skin protection, use super fatted soaps and skin cream for skin care. Wash contaminated clothing before re-use.

**PROTECTIVE MEASURES:** Handle in accordance with good industrial hygiene and safety practices. If there is the possibility of skin/eye contact, the indicated hand/eye/body protection should be used. If the limits at the workplace are exceeded and/or larger amounts are released (leakage, spilling, dust) the indicated respiratory protection should be used.

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## IX. Physical and Chemical Properties

**APPEARANCE:** White odourless powder  
**pH:** 3.7 – 4.7 (suspension); (40 g/l); (20°C)  
**MELTING POINT/RANGE:** ca. 1700°C.  
**FLASH POINT:** Not applicable.  
**FLAMMABILITY LIMITS:** Not applicable.  
**IGNITION TEMPERATURE:** Not applicable.  
**AUTOINFLAMMABILITY:** Not applicable.  
**LOWER EXPLOSION LIMIT:** Not applicable.  
**UPPER EXPLOSION LIMIT:** Not applicable.  
**MINIMUM IGNITION ENERGY:** Not applicable.  
**VAPOUR PRESSURE:** Not applicable.  
**DENSITY:** ca. 2.2 g/cm<sup>3</sup> (20°C)  
**TAPPED DENSITY:** ca. 50 g/l. Method: DIN/ISO 787/11  
**WATER SOLUBILITY:** Hardly soluble.  
**PARTITION COEFFICIENT (N-OCTANOL/WATER):** Not applicable.  
**VISCOSITY, DYNAMIC:** Not applicable. .

## X. Stability and Reactivity

**CONDITIONS TO AVOID:** Operations that create dust.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.  
**THERMAL DECOMPOSITION:** >2000°C.  
**FURTHER INFORMATION:** Stable under normal conditions, product will not undergo hazardous polymerization. .

## XI. Toxicological Information

**ACUTE / CHRONIC EFFECTS:** Dust may be irritating to respiratory tract.  
**INHALATION:** May cause irritations of the respiratory tract.  
**SKIN:** May cause drying of the skin.  
**EYES:** Possibly irritating.  
**INGESTION:** No hazard expected in normal use.  
**ACUTE ORAL TOXICITY:** LD50 Rat: > 10000 mg/kd. METHOD: Literature.  
**ACUTE INHALATION TOXICITY:** LCO Rat: 0.139 mg/l / 4 h. METHOD: Literature (maximum concentration attainable in experiments). No deaths occurred.  
**ACUTE DERMAL TOXICITY:** LD50 Rabbit: >5000 mg/kg. METHOD: Literature.  
**SKIN IRRITATION:** Rabbit / literatures. Not irritating.  
**EYE IRRITATION:** Rabbit / literature. Not irritating.  
**REPEATED DOSE TOXICITY:** Oral: no negative effects. Inhalative: No irreversible changes and no indication of silicosis.  
**MUTAGENICITY ASSESSMENT:** In vitro and in vivo experiments, no evidence of mutagenic effects, literature.  
**CARCINOGENICITY:** No negative effects.  
**TOXICITY TO REPRODUCTION:** No negative effects.

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**HUMAN EXPERIENCE:** Silicosis or other product specific illnesses of the respiratory tract were not observed in association with the product.

## XII. Ecological Information

**ELIMINATION INFORMATION (PERSISTENCE AND DEGRADABILITY):**  
**BEHAVIOUR IN ENVIRONMENTAL COMPARTMENTS**

### ECOTOXICITY EFFECTS

**TOXICITY TO FISH:** LUC50 (Brachydanio rerio): > 10000 mg/l /96 h. METHOD: OECD 203

**TOXICITY TO DAPHNIA:** EC50 Daphnia magna: > 10000 mg/l /24 h. METHOD: OECD 202.

## XIII. Disposal Considerations

**PRODUCT:** Can be disposed of with domestic refuse in accordance with the necessary technical regulations following consultation with waste disposal expert(s) and the responsible authorities.

**UNCLEANED PACKAGING:** Offer rinsed packaging material to local recycling facilities. Other countries – observe the national regulations. .

## XIV. Transport Information

**TRANSPORT/FURTHER INFORMATION:** Not classified as dangerous in the meaning of transport regulations.

**HAZCHEM CODE:** Not applicable.

## XV. Regulatory Information

**POISON SCHEDULE:** Not scheduled.

### **REGISTRATION:**

USA (TSCA): Listed/registered.

Australia (AICS): Listed/registered.

Japan (MITI): Listed/registered.

Korea (TCCL): Listed/registered.

Philippines (PICCS): Listed/registered.

China: Listed/registered.

Europe (EINECS/ELINCS): Listed/registered.

Canada (DSL): Listed/registered.

New Zealand: Listed/registered.

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### **XVI. Other Information**

**RISK PHRASE (R PHRASE) TEXTS:** Silicon dioxide, chemically prepared.

**FURTHER INFORMATION:** This version replaces all previous versions.

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