



Material safety data sheet

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Catalog Numbers: 37675

Catalog Name: Silicagel White 5~10mesh

Company Identification:

Junsei Chemical Co., Ltd.

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CREATION DATE: August 23, 2011

SECTION 2 HAZARDS IDENTIFICATION

Adverse human health : May irritate to skin, eyes. If inhaled dust, nose, throat, or trachea are hazards irritated.

Environmental effects : Insoluble in water and do not affect to the environment.

Physical and Chemical hazards : Noncombustible and does not have particular physical and chemical hazards.

Class name of hazardous chemicals for SDS in Japan : Not applicable

SECTION 3 COMPOSITION, INFORMATION ON INGREDIENTS

Substance/Mixture :	Substance
Chemical name:	Silica gel
Ingredient name:	Silicon dioxide
Molecular Formula:	SiO ₂
Molecular Weight:	60.08
CAS NUMBER:	7631-86-9
JAPAN NUMBER (ENCS):	1-548
TSCA Inventory :	Registered
Content:	98.0%

SECTION 4 FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing

contaminated clothing and shoes.

Ingestion: Get medical aid. Wash mouth out with water.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician

SECTION 5 FIRE FIGHTING MEASURES

General Information: This product is noncombustible.

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

SECTION 6 ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Avoid runoff into storm sewers and ditches which lead to waterways. Avoid generating dusty conditions.

SECTION 7 HANDLING AND STORAGE

Handling: Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Use only in a chemical fume hood.

Storage: Store in a cool, dry place. Store in a tightly closed container.

SECTION 8 EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering measures : Install a local ventilation system under dusty condition.

Control parameters : ACGIH(2002);10mg/m³(TLV-TWA)

Protective equipment

Respiration protective equipment

: If necessary, wear dust mask

Hands protective equipment : Impervious protective gloves

Eyes protective equipment : Safety goggles

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Granules

COLOR: White

ODOR: odorless

BOILING POINT: 2230°C

Melting Point: 1710°C

FREEZING POINT: Not available

VAPOR PRESSURE: Not available

VAPOR DENSITY: Not available

SPECIFIC GRAVITY: Not available

ODOR THRESHOLD: Not available

EVAPORATION RATE: Not available

COEFFICIENT OF WATER/OIL DISTRIBUTION: Not available

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials, moisture.

Incompatibilities with Other Materials: Strong oxidizing agents, hydrofluoric acid.

Hazardous Decomposition Products: Oxides of silicon.

Hazardous Polymerization: Has not been reported.

SECTION 11 TOXICOLOGICAL INFORMATION

RTECS#:

CAS# 7631-86-9: Draize test, rabbit, eye: 25 mg/24H Mild;

Acute toxicity : If inhaled the dust, nose, throat, or trachea are irritated.

rat intravenous LDLO=40mg/kg

dog intravenous LDLO=20mg/kg

Local effect :

Irritation to skin, eyes : If contacted with eyes, eyes are irritated.

Allergenic and sensitizing effects

: Not available

Chronic and long term toxicity :

A long time inhalation of dust may cause breast ache, decrease of vital capacity, difficulty in breathing.

Carcinogenic effects : IARC classifies Silica gel as group 3 (not classifiable carcinogenic to human).

Mutagenicity : Not available

Teratogenic effects : Not available

Effects on the reproductive system : Not available

SECTION 12 ECOLOGICAL INFORMATION

Rediualbility and degradability : Non biodegradability

Ecorediualbility : Not available

Ecotoxicity

Fish toxicty : TLm96;more than 1000ppm

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

SECTION 14 TRANSPORT INFORMATION

LAND TRANSPORT ADR: No classification assigned.

AIR TRANSPORT IATA: No classification assigned.

UN class: Not applicable.

SECTION 15 REGULATORY INFORMATION

European/International Regulations

WGK (Water Danger/Protection)

CAS# 7631-86-9: 0

Canada

CAS# 7631-86-9 is listed on Canada's DSL List

US Federal

TSCA

CAS# 7631-86-9 is listed on the TSCA Inventory.

SECTION 16 OTHER INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.