

MATERIAL SAFETY DATA SHEET

MANUFACTURER IDENTIFICATION:

YASUI & CO.

PRODUCT NAME (CHEMICAL NAME, TRADE NAME): FUJI POWDER

SUBSTANCE IDENTIFICATION:

Single chemical or Mixture: Single chemical

Chemical Name: Silicon dioxide

Component and Content: Silicon dioxide 99.8% or more

Chemical Formula or Structural Formula: SiO₂

Reference Number in Gazetted List in Japan: (1) - 548

(Japanese Chemical Substances Control Law,
Japanese Industrial Safety and Health Law)

CAS No.: 14808-60-7

UN Class and UN No.: None

HAZARDS IDENTIFICATION:

Hazard Description: Other toxic substances

Hazard: Not available

Toxicology: Not available

Environmental Hazards: Effect of dust

Emergency first aid procedures:

Eye Contact: Flush with clean water.

Skin Contact: Wash with clean water.

Inhalation: Move to fresh air and gargle.

Ingestion: Wash out mouth with water.

Induce vomiting by inserting finger in back of throat if possible.

Get medical attention immediately.

FIRE FIGHTING MEASURES:

Extinguishing Procedure: Non combustible product

Extinguishing Agent: No special agent required because the product is non combustible.

ACCIDENTAL RELEASE MEASURES: Treat as dir and rock waste.

HANDLING AND STORAGE:

Handling: Avoid ingress of moisture (water).

Storage: Avoid storing at high temperature and in a damp environment.

EXPOSURE CONTROLS AND PERSONAL PROTECTION:

Administrative Control Level: 0.1 mg/m³

Permissible Exposure Limit:

Japan Society for Occupational Health: Not available

ACGIH: Not available

Engineering Measures: Handle only in well ventilated areas.

Protective Equipment:

Protective Respirator: Dust respirator

Protective Eyewear: General type of eyeglasses

Protective Gloves: General gloves

Protective clothing: General work clothing

PHYSICAL AND CHEMICAL PROPERTIES:

Appearance etc.: White, powder

Boiling Point: 2230 °C

Vapor Pressure: 1333.2 Pa (1732 °C)

Volatility: None

Melting point: 1710 °C

Specific Gravity or Bulk Specific Gravity:2.6

Solubility in Water: Insoluble

Other: None

HAZARDS INFORMATION (STABILITY AND REACTIVITY):

Flash Point (°C): Not available

Ignition Point (°C): Not available

Explosion Limits (Upper and Lower by %): Not available

Flammability: Non-flammable

Ignition (Spontaneous Ignition, Reactivity with Water): None

Oxidizability: None

Self-reactivity, Explosivity: None

Dust Explosivity: None

Stability, Reactivity: Avoid ingress of

moisture etc.

Other: None particularly

TOXICOLOGICAL INFORMATION (INCLUDING A CASE FOR A HUMAN BEING AND EPIDEMIOLOGICAL INFORMATION):

Skin Corrosivity: Not available

Irritation (Skin, Eye): Not available

Sensitisation: Not available

Acute Toxicity (Including Lethal Dose 50% etc.): Not available

Subacute Toxicity: Not available

Chronic Toxicity: Not available

Carcinogenicity: Not available

Mutagenicity: Not available

(Microorganisms, Chromosomal Aberration)

Reproductive Toxicity: Not available

Teratogenicity: Not available

Other (Including Generation of Toxic Gas by

Reacting with Water etc.): Pneumoconiosis caused by excessive inhalation.

ECOLOGICAL INFORMATION:

Biodegradation: Not available

Bioconcentration: Not available

Fish Toxicity: Not available

Other: Not available

DISPOSAL CONSIDERATIONS:

Treat as dirt and rack waste.

TRANSPORTATION INFORMATION:

Avoid ingress of moisture (water) etc.

REGULATORY INFORMATION:

Japanese Safety and Health Law Article 65 – Class 1 – “Dust”

OTHER (INQUIRY, LITERATURE CITED ETC.):

Cited from Japan Chemical Industry Association.