Printing date 03/26/2007

Reviewed on 03/06/2007

Product name: Silicon granular, virgin poly fines

(Contd. of page 1)

After skin contact Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Seek immediate medical advice.

5 Fire fighting measures

Suitable extinguishing agents Extinguishing powder. Do not use water. For safety reasons unsuitable extinguishing agents Water Carbon dioxide Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit.

6 Accidental release measures

Person-related safety precautions: Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation Measures for environmental protection: Do not allow material to be released to the environment without proper governmental permits. Measures for cleaning/collecting: Pick up mechanically. Additional information: See Section 7 for information on safe handling See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

7 Handling and storage

Handling

Information for safe handling: Keep container tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation at the workplace. Information about protection against explosions and fires: The product is not flammable

Storage

Requirements to be met by storerooms and receptacles: No special requirements. Information about storage in one common storage facility: Store away from oxidizing agents. Store away from halogens. Do not store together with acids. Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well sealed containers.

- USA

Printing date 03/26/2007

Reviewed on 03/06/2007

Product name: Silicon granular, virgin poly fines

(Contd. of page 2)

8 Exposure controls and personal protection

Additional information about design of technical systems: Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.

Components with limit values that require monitoring at the workplace:

Silicon

	mg/m3	}
ACGIH TLV	10	
Belgium TWA	10	
Denmark TWA	10	
France VME	10	
Ireland TWA	5 ((respirable); 10 (inhalable)
Korea TLV	10	
Netherlands MAC-TGG	10	
Norway TWA	10	
Switzerland MAK-W	4	
United Kingdom TWA	4 ((respirable dust); 10 (total inhalable dust)
USA PEL	5 ((respirable fraction); 15 (total dust)
Additional informatio	n: No	o data

Personal protective equipment

General protective and hygienic measures

The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin. Breathing equipment: Use suitable respirator when high concentrations are present. Protection of hands: Impervious gloves Eye protection: Safety glasses

Body protection: Protective work clothing.

9 Physical and chemical properties:

General Information	
Form:	Granules
Color:	Dark brown
Odor:	Odorless
Change in condition	
Melting point/Melting range:	1410.°C (2570°F)
Boiling point/Boiling range:	2355°C (4271°F)
Sublimation temperature / start:	Not determined
Flash point:	Not applicable
Flammability (solid, gaseous)	Fine powder: highly flammable
Ignition temperature:	Not determined
Decomposition temperature:	Not determined
Danger of explosion:	Product does not present an
	explosion hazard.

(Contd. on page 4)

Printing date 03/26/2007

Reviewed on 03/06/2007

Product name: Silicon granular, virgin poly fines

		(Contd. of page
Explosion limits:		
Lower:	Not determined	
Upper:	Not determined	
Vapor pressure:	Not determined	
Density at 20°C (68°F):	2.329 g/cm ³	
Solubility in / Miscibility with		n de la companya de Al
Water:	Insoluble	

10 Stability and reactivity

Thermal decomposition / conditions to be avoided: Decomposition will not occur if used and stored according to specifications. Materials to be avoided: Oxidizing agents Acids Interhalogens Halogens Water/moisture Alkali metals Dangerous reactions Reacts violently with oxidizing agents Dangerous products of decomposition: Metal oxide fume

11 Toxicological information

Acute toxicity:

Oral	LD50 3160 mg/kg (rat)
Irritation of eyes	mild 3 mg (rbt)
Primary irritant ef	fect:
on the skin: Irrita	nt to skin and mucous membranes.
on the eye: Irritat	ing effect.
Sensitization: No s	ensitizing effects known.
Subacute to chronic	toxicity:
effect on lungs and	is an inert material that seems to have little advers does not appear to produce significant organic fects when exposures are kept under reasonable
control.	receb when exposures are hepe ander reasonable
Additional toxicolo	gical information:
To the best of our	knowledge the acute and chronic toxicity of this
substance is not fu	lly known.
	ata on carcinogenic properties of this material is

12 Ecological information:

General notes:

Do not allow material to be released to the environment without proper governmental permits.

(Contd. on page 5)

- USA -

Printing date 03/26/2007

Reviewed on 03/06/2007

Product name: Silicon granular, virgin poly fines

(Contd. of page 4)

13 Disposal considerations

Product:

Recommendation

Consult state, local or national regulations to ensure proper disposal.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

14 Transport information

Not a hazardous material for transportation.

DOT regulations: Hazard class: None

Land transport ADR/RID (cross-border) ADR/RID class: None

Maritime transport IMDG: IMDG Class: None

Air transport ICAO-TI and IATA-DGR: ICAO/IATA Class: None

Transport/Additional information: Not dangerous according to the above specifications.

15 Regulations

Product related hazard informations:

Hazard symbols: Xi Irritant

Risk phrases: 36/38 Irritating to eyes and skin.

Safety phrases:

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

National regulations

All components of this product are listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical substance Inventory.

Information about limitation of use: For use only by technically qualified individuals.

16 Other information:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

(Contd. on page 6)

- USA

Printing date 03/26/2007

Reviewed on 03/06/2007

Product name: Silicon granular, virgin poly fines

(Contd. of page 5)

- USA

Department issuing MSDS: Health, Safety and Environmental Department. **Contact:** Darrell R. Sanders

Seek immediate medical advice.

(Contd. on page 2)