

In compliance with Regulation (EC) 1907/2006, Regulation (EC) Revision date 17/10/2018

1272/2008 and (EC) Regulation 1272/2008 Version 03

. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

1.1 Product Identifier:

Name Silica flour

Reach Registration No. Exempted in accordance with Annex V.7.

Synonyms Silicon dioxide, quartz flour Trade names HIM2, Z300, HIQ20, A50, HIQ5

1.2 Relevant identified uses of the substance

Main applications – non Investment Casting, Paints and coatings, adhesives and exhaustive list sealants, plastics and elastomers. Cement additive. Glass

sediants, plastics and elastomers. Cement additive. Gid

and glass fibre.

1.3 Details of the supplier of the safety data sheet

Company name Hoben International Limited

Address Manystones Lane

Brassington MATLOCK Derbyshire

DE4 4HF No hazardous reactions

United Kingdom

Phone No. +44 (0) 1629 540201

Fax No. +44 (0) 1629 540605

Email sales@hobeninternational.com

1.4 Emergency telephone number

Telephone number +44 (0) 1629 540201

Available outside of office No

hours?

2. HAZARD IDENTIFICATION

2.1 Classification of the substance

Classification according to Regulation (EC) No 1272/2008

Contains respirable silica – classified as STOT RE2

Airborne respirable crystalline silica may be generated. Prolonged inhalation of respirable crystalline silica may cause lung fibrosis, commonly known as silicosis.

This product should be handled with care to avoid dust generation.



H 373 – May cause damage to lungs through prolonged or repeated inhalation. This product contains respirable crystalline silica at a concentration of >1% but <10%.

In compliance with Regulation (EC) 1907/2006, Regulation (EC) Revision date 17/10/2018

1272/2008 and (EC) Regulation 1272/2008 Version 03

2.2	Label elements				
	Hazard pictogram				
	, , , , , , , , , , , , , , , , , , ,				
	Signal word	WARNING			
	_		use damage to lungs th	hrough prolonged or	
		repeated inhala		moden prototiged of	
		P 260 – Do not l			
	· · · · · · · · · · · · · · · · · · ·		espiratory protection		
		P 501 – Dispose of contents/containers in accordance with local			
		regulations	·		
2.3	Other hazards				
	This product is an inorgan	c substance and	I does not meet the cr	iteria for PBT or vPvB in	
	accordance with Annex XI	I of REACH			
_					
3.	COMPOSITION/INFORM	1ATION ON INC	GREDIENTS		
3.1	Main constituents				
	Name		04641	FINIFOS	
2.2	Silica	Amount	CAS No	EINECS	
3.2	Impurities	99%	14808-60-07	238-878-4	
4	Contains between 1 and 1	0% of respirable	crystalline silica and i	S Classified as STOT RE 2	
4.	FIRST AID MEASURES				
4.1	Description of first aid me	asures			
	Eye Contact: Inhalation:	Rinse with	conious quantities of v	vater and seek medical	
	iiiilalatioii.		irritation persists.	vator and occir medical	
	Ingestion:	Move expo	sed person to fresh ai	r immediately and seek	
			vice if required.		
	Skin Contact:		measures required.		
4.2	Most important symptom		measures required.		
	and effect, both acute and	t k			
	delayed				
	No acute and delayed sym	•			
4.3	· · · · · · · · · · · · · · · · · · ·		itment needed		
_	No specific actions are req				
5.	FIRE FIGHTING MEASUF	RES			
5.1	Extinguishing media:	الماد و مناه معا			
	No specific extinguishing r				
гэ	· ·				
5.2			locomposition		
5.2 5.3	Non combustible. No haza Advice for Firefighters:		lecomposition.		

In compliance with Regulation (EC) 1907/2006, Regulation (EC) Revision date 17/10/2018

1272/2008 and (EC) Regulation 1272/2008 Version 03

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid airborne dust generation, wear personal protective equipment in compliance with national legislation.

6.2 Environmental precautions

No special requirements.

6.3 Methods and material for containment and cleaning up

Avoid dry sweeping and use water spraying or vacuum cleaning systems to prevent airborne dust generation. Wear personal protective equipment in compliance with national legislation.

6.4 Reference for other sections

See sections 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid airborne dust generation. Provide appropriate exhaust ventilation at places where airborne dust is generated. In case of insufficient ventilation wear suitable respiratory protective equipment. Handle packaged products carefully to prevent accidental bursting. If you require advice on safe handling techniques please contact your supplier

Do not eat or drink in work areas; wash hands after use; remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities

Minimise airborne dust generation and prevent wind dispersal during loading and unloading. Keep containers closed and store packaged products so as to prevent accidental bursting.

7.3 Specific end uses

If you require advice on specific uses please contact your supplier or check the Good Practice Guide referred to in section 16.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Follow workplace regulatory exposure limits for all types of airborne dust (e.g. total dust, respirable dust, respirable crystalline silica dust)

The WEL (Workplace Exposure Limit) for respirable crystalline silica dust is 0.1 mg/m³ in the UK, measured as an 8 hour TWA (Time Weighted Average).

For the equivalent limits in other countries consult your local regulatory authority.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Minimise airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering control methods to keep airborne levels below the specified exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organisational measures, e.g. by isolating personal from dusty areas. Wash hands before breaks and at the end of the day. Remove and wash soiled clothing

8.2.2 Individual protection measures such as personal protective equipment

a) Eye protection Safety glasses with side shields. Use equipment for eye protection tested and approved under appropriate standards.

In compliance with Regulation (EC) 1907/2006, Regulation (EC) Revision date 17/10/2018 1272/2008 and (EC) Regulation 1272/2008 Version 03

b)	Skin protection	No specific requirement. For hands see below.
c)	Hand protection	Appropriate protection (e.g. gloves, barrier cream) is
		recommended for workers who suffer from dermatitis or sensitive
		skin. Wash hands at the end of each work session.
d)	Respiratory protection	In case of prolonged exposure to airborne dust concentrations,
		wear respiratory protective equipment (e.g., respirator, powered
		air respirator) that complies with the requirements of European
		or national legislation.
8.2.3	Environmental exposure cor	ntrols
	Avoid wind dispersal	

9.	PHYSICAL AND CHEMICAL PROPERTIES		
9.1	Information on basic physical and chemical properties		
	Appearance	Solid, off white powder	
	Odour	Odourless	
	Odour threshold	Not relevant	
	рН	7.0	
	Melting point	1710°c	
	Density	2.65g/cm ³	
	Grain shape	Angular	
	Solubility in water	Negligible	
	Solubility in hydrofluoric acid	Yes	
9.2	Other information		
	No other information		
10	STABILITY AND REACTIVITY		
10.1	Reactivity - Inert, not reactive		
10.2	Chemical Stability - Chemically stable		
10.3	Possibility of hazardous reactions - No hazardous reactions		
10.4	Conditions to avoid - Not relevant		
10.5	Incompatible materials - No particular incompatibility		
10.6	Hazardous decomposition prod	ducts - Not relevant	

11. TOXICOLOGICAL INFORMATION

11.1	Information on toxicological	effects
a)	Acute toxicity	No evidence of acute toxicity.
b)	Skin corrosion/irritation	Substance is not corrosive, may cause mechanical irritation.
c)	Serious eye damage/irritation	May cause mechanical irritation.
d)	Respiratory or skin sensation	No evidence of sensitisation
e)	Germ cell mutagenicity	No evidence of mutagenicity
f)	Carcinogenicity	Lung cancer excess risk is demonstrated only under high
		occupational exposures to respirable crystalline silica. The lung
		cancer excess risk is restricted to people who contract silicosis.
g)	Reproductive toxicity	No evidence of reproductive toxicity
h)	STOT-single exposure	Based on available data, criteria's are not met.
i)	STOT-repeated exposure	Prolonged inhalation of high levels of respirable crystalline silica
		has been shown to cause silicosis, a nodular pulmonary fibrosis.

In compliance with Regulation (EC) 1907/2006, Regulation (EC) Revision date 17/10/2018 1272/2008 and (EC) Regulation 1272/2008 Version 03

j)	Aspiration hazard E	Based on available data, the classification criteria are not met
12.	ECOLOGICAL INFORMATION	V
12.1	Toxicity	Not relevant
12.2	Persistence and degradability	Not relevant
12.3	Bioaccumulative potential	Not relevant
12.4	Mobility in soil	Negligible
12.5	Results of PBT and vPvB asses	sment Not relevant
12.6	Other adverse effects	No specific adverse effects known

13	DISPOSAL CONSIDERATIO	NS
13.1 Waste treatment methods		
	Product	Where possible, recycling is preferable to disposal. Disposal
		should be carried out in compliance with local regulations.
	Packaging	Dust generation from residues in packaging should be avoided
		and suitable worker protection assured. Store used packaging in
		enclosed receptacles. Disposal of packaging should be carried out
		in compliance with local regulations by an authorized waste
		management company.
14.	TRANSPORT INFORMATION	ON
14.1	UN number	Not relevant
14.2	UN proper shipping name	Not relevant
14.3	Transport hazard classes	
	ADR	Not classified
	IMDG	Not classified
	ICAO/IATA	Not classified
	RID	Not classified
14.4	Packing group	Not applicable
14.5	Environmental hazards	Not relevant
14.6	Special precautions for user	
14.7	Transport in bulk according	
	II of MARPOL 73/78 and the	
15.	REGULATORY INFORMAT	
15.1		nental regulations/legislation specific for the substance or mixture
	National legislation/requirer	
	International legislation/req	
	Regulation (EC) No 2037/200	
	Regulation (EC) No 850/2004	
	Regulation (EC) No 689/2008	
15.2	Chemical safety assessment	
	This product is exempted fro 1907/2006	om REACH in accordance with Annex V.7 of Regulation (EC)

In compliance with Regulation (EC) 1907/2006, Regulation (EC) Revision date 17/10/2018 1272/2008 and (EC) Regulation 1272/2008 Version 03

16. OTHER INFORMATION

(i) Indication of changes

Changes have been made to comply with regulations

(EC) 1907/2006

(EC) 1272/2008

(EC) 453/2010

(ii) Abbreviations and acronyms

EC: European Commission

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals and

Substances

TWA: Time Weighted Average STOT: Specific Target Organ Toxicity PBT: Persistent, Bioaccumalitive, Toxic

vPvB: very Persistent and very Bioaccumlating

(iii) Key literature references and sources for data

EH40/2005 Workplace exposure limits (Third Edition, 2018)

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans Volume 68 Silica (1997)

(iv) Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

This material is classified as STOT RE 2 according to the procedure given in section 3.9 of Regulation (EC) 1272/2008

(v) Relevant H-statements (number and full text)

H373: May cause damage to lungs through prolonged or repeated exposure via inhalation

(vi) Training advice

All employees should be given adequate training in the proper use and handling of this product and any precautions and protective equipment required under applicable regulations.

(vii) Further information

EH44/1997 - Dust: General Principles of Protection.

EH75/4 (2002) - Respirable Crystalline Silica - Phase 1.

EH75/5 (2003) - Respirable Crystalline Silica - Phase 2.

HSG258 – Controlling airborne contaminants at work.

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for his/her own particular use.