



WT KNOWLES & SONS LIMITED

Material and Safety Data Sheet (MSDS) Knowles Airset Fire Cement (KFC)

Identification of the substance / preparation and company name

Knowles KFC air setting refractory cement supplied ready to use in plastic pails.

Supplier: WT Knowles & Sons Limited, Ash Grove Sanitary Pipe Works, Elland Road, Elland HX5 9JA

Tel: 01422 373 833, **Fax:** 01422 370900,

Email: sales@wtknowles.co.uk, **Web:** site www.wtknowles.co.uk

For medical emergency contact nearest hospital or emergency treatment provider and give them the risk/hazard codes in sections 3 and 15.

Hazard identification

Free silica >2.5% Sodium Silicate <10%, alkaline pH 11. Wear protective clothing and safety goggles to prevent splashing onto skin and prevent any splashing into the eyes.

Not listed as dangerous for supply or use.

Composition / information on the ingredients

	Cas No	Amount	H Phrases	EH40 WEL
Bauxite	1318-16-17	>25%<45%		10 mg/m ³ 4 mg/m ³
Ball Clay	1332-58-7	>10%<20%		2 mg/m ³
Silica Sand*	14808-60-7	>25%<45%		No figure 0.1 mg/m ³
Sodium Silicate#	1344-09-8	<10%	H319, H315	Not listed
Water		>10%		Not listed

Material supplied as a wet mortar

*Quartz sand does not meet the criteria for classification as dangerous as defined in directive 67/548/EEC (suppliers MSDS). The sand used is a washed sand containing minimal amounts of fine dust

#Sodium silicate added as a solution active ingredient <10%

Sodium Silicate reach number 01-2119448725-31

If there are two numbers in the WEL the first is inhalable dust the second is respirable dust.

First aid measures

Skin Contact - Wash off any material with warm soapy water

Eye Contact - Wash out thoroughly with clean water and seek medical advice

Ingestion - Do not induce vomiting, remove material from mouth, drink plenty of water and seek medical advice

Fire fighting measures

Not flammable use fire fighting measures suitable for surrounding environment

Accidental release measures

Repack into suitable containers wearing gloves and protective clothing

Handling and storage

Keep cool and frost free. Use in rotation

Exposure control and personal protection

Wear eye protection (fully protect the eyes to prevent splashes), gloves and protective clothing. Use splash guards where possible to reduce splashing. Eyewash should be available for immediate use. Wear other PPE where necessary for the installation environment.

Physical and chemical properties

Pale ready mixed thick liquid mortar, relative density 2.4 as supplied pH 11



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Stability and reactivity

This material is stable as received under normal conditions, will react with light metals and alloys. Steam will be given off during the first heat.

Toxicological information

- Ingestion - May result in mechanical abrasion in the mouth and throat
- Skin Contact - Prolonged contact may be irritating to the skin
- Eye Contact - Irritating to the eyes

Ecological information

This product is partially soluble in water; contamination of watercourses and sewers should be avoided. After heating to 1000°C in service this product will no longer be soluble but it may be contaminated with products from the process in which it was installed.

Disposal considerations

Dispose of via a licensed waste disposal contractor according to local regulations. Before disposal customers are advised to evaluate any changes that may have occurred to the material during use. Make the disposal company aware of the risk and hazard phrases and possible contamination from service.

Transport information

No special packing requirements are specified

Regulatory information

Not classified as dangerous for supply or use

Safety Phrases

- P262 Do not get in eyes, on skin
- P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
- P280 Wear protective gloves/protective clothing/eye protection/face

Other information

Apply good house keeping always wear protective clothing.

Customers are urged to ensure that the product is entirely suitable for their own purposes. It is the customer's responsibility to ensure that a suitable and sufficient assessment of the risks created by a work activity using this product is undertaken before this product is used.

If the product is redistributed or reformulated for sale details of the hazards and recommended methods for safe handling must be passed on to customers.

Every effort has been made to ensure that this information is correct at the time of preparation.

Authorised by Martin Knowles August 2018

09-08-2018

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