

## 1. Identification of the substance or mixture and of the supplier

- 1.1 GHS product identifier**      **KAST-O-LITE 20 PLUS**
- 1.2 Other means of identification**  
**Brand Code**                      6383, 484B, 792B
- 1.3 Recommendations and restrictions on the use of substances or mixtures**  
**Recommended use**              For Industrial or Professional Use Only  
**Recommended restrictions**    Avoid dry cutting, blasting, or dust generation. Users should be informed of the potential presence of respirable dust and respirable crystalline silica as well as their potential hazards. Appropriate training in the proper use and handling of this material should be provided as required under applicable regulations.
- 1.4 Supplier's details**  
**Manufacturer**  
**Company name**                      HarbisonWalker International  
**Address**                                1305 Cherrington Parkway, Suite 100  
     Moon Township Pennsylvania 15108  
     United States  
**Telephone**                            General Phone:                      412-375-6600  
**Website**                                www.thinkHWI.com  
**E-mail**                                    sds@thinkhwi.com  
**Contact person**                      Product Safety Specialist
- 1.5 Emergency phone number**    CHEMTREC 24 HOUR                      1-800-424-9300  
     EMERGENCY #

## 2. Hazards identification

- 2.1 GHS classification of substance or mixture, and national or regional information**  
**Physical hazards**                      Not classified.  
**Health hazards**                        Carcinogenicity    Category 1A  
**Environmental hazards**              Not classified.

### 2.2 GHS label elements

**Hazard symbol(s)**



- Signal word**                              Danger  
**Hazard statement(s)**                May cause cancer.  
**Precautionary statement(s)**

- Prevention**                              Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.  
**Response**                                IF exposed or concerned: Get medical advice/attention.  
**Storage**                                    Store away from incompatible materials.  
**Disposal**                                   Dispose of contents/container in accordance with local/regional/national/international regulations.

**2.3 Other hazards which do not result in GHS classification**    None known.

**Supplemental information**        None.

## 3. Composition/information on ingredients

### 3.2 Mixture

Chemical identity	Common name and synonym	CAS number and other unique identifiers	Concentration or concentration range
Cement, Alumina, Chemicals		65997-16-2	50 - 70
Quartz (SiO2)		14808-60-7	2.5 - 10
Other components below reportable levels			30 - 50

Crystalline silica may be present at low concentrations; most of this is encapsulated in the coarse aggregate or as part of the clays or sands.

## 4. First-aid measures

### 4.1 Description of first-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.

### 4.2 Most important symptoms/effects, acute and delayed

Direct contact with eyes may cause temporary irritation.

### 4.3 Indication of immediate medical considerations and important specific treatment that should be performed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

### General advice

IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## 5. Fire-fighting measures

### 5.1 Prohibited extinguishing media and suitable extinguishing media

Suitable extinguishing media	Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media	Not available.

### 5.2 Specific hazards arising from chemicals

Not applicable.

### 5.3 Special protective equipment and precautions for fire-fighters

Not available.

## 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

### 6.2 Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

### 6.3 Methods and materials for containment and cleaning up

Stop the flow of material, if this is without risk. Following product recovery, flush area with water. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.

## 7. Handling and storage

### 7.1 Precautions for safe handling, use and storage

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep formation of airborne dusts to a minimum. Provide appropriate exhaust ventilation at places where dust is formed. Do not breathe dust. Avoid prolonged exposure. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

Thailand. OELs. Notification of the Ministry of Interior, Re: Working Safety in Respect to Environmental Condition (Chemical)

Components	Type	Value	Form
Quartz (SiO <sub>2</sub> ) (CAS 14808-60-7)	TWA	0.025 mg/m <sup>3</sup>	Respirable dust.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Quartz (SiO <sub>2</sub> ) (CAS 14808-60-7)	TWA	0.025 mg/m <sup>3</sup>	Respirable fraction.

### Biological limit values

No biological exposure limits noted for the ingredient(s).

**Exposure guidelines** Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled. Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled.

**8.2 Appropriate engineering controls** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**8.3 Personal protective measures**

- Eye/face protection** If contact is likely, safety glasses with side shields are recommended.
- Skin protection**
- Hand protection** Wear appropriate chemical resistant gloves.
- Other** Use of an impervious apron is recommended.
- Respiratory protection** Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.
- Thermal hazards** Wear appropriate thermal protective clothing, when necessary.



**General hygiene considerations** Observe any medical surveillance requirements. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**9. Physical and chemical properties**

**9.1 Appearance**

- Physical state** Solid.
- Form** Solid.
- Color** Not available.

**9.2 Odor** Not available.

**9.3 Odor threshold limit** Not available.

**9.4 pH** Not available.

**9.5 Melting point/freezing point** Not available.

**9.6 Initial boiling point and boiling range** Not available.

**9.7 Flash point** Not available.

**9.8 Evaporation rate** Not available.

**9.9 Flammability (solid, gas)** Not available.

**9.10 Upper/lower flammability or explosive limits**

- Flammability limit - lower (%)** Not available.
- Flammability limit - upper (%)** Not available.
- Explosive limit - lower (%)** Not available.
- Explosive limit - upper (%)** Not available.

**9.11 Vapor pressure** Not available.

**9.12 Vapor density** Not available.

**9.13 Relative density** Not available.

**9.14 Solubility(ies)**

**Solubility (water)** Not available.

**9.15 Partition coefficient: n-octanol/water** Not available.

**9.16 Auto-ignition temperature** Not available.

**9.17 Decomposition temperature** Not available.

**9.18 Viscosity** Not available.

**Other information**

**Explosive properties** Not explosive.

**Oxidizing properties** Not oxidizing.

## 10. Stability and reactivity

**10.1 Reactivity** The product is stable and non-reactive under normal conditions of use, storage and transport.

**10.2 Chemical stability** Material is stable under normal conditions.

**10.3 Possibility of hazardous reactions** No dangerous reaction known under conditions of normal use.

**10.4 Conditions to avoid** Contact with incompatible materials.

**10.5 Incompatible materials** Powerful oxidizers. Chlorine. Fluorine.  
Incompatibility is based strictly upon potential theoretical reactions between chemicals and may not be specific to industrial application exposure.

**10.6 Hazardous decomposition products** No hazardous decomposition products are known.

## 11. Toxicological information

### 11.1 Information on likely routes of exposure

**Inhalation** Prolonged inhalation may be harmful.

**Skin contact** No adverse effects due to skin contact are expected.

**Eye contact** Direct contact with eyes may cause temporary irritation.

**Ingestion** Expected to be a low ingestion hazard.

**11.2 Symptoms related to physical, chemical and toxicological characteristics** Direct contact with eyes may cause temporary irritation.

**11.3 Delayed and immediate effects, including chronic effects from short- and long-term exposure** Occupational exposure to the substance or mixture may cause adverse effects.

### 11.4 Numerical values of toxicity

**Acute toxicity** Not known.

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.

**Serious eye damage/eye irritation** Direct contact with eyes may cause temporary irritation.

### Respiratory or skin sensitization

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** This product is not expected to cause skin sensitization.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

### Carcinogenicity

In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However in making the overall evaluation, IARC noted that "carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs." (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.) In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk..." (SCOEL SUM Doc 94-final, June 2003) According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits. May cause cancer. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled.

### ACGIH Carcinogens

Quartz (SiO<sub>2</sub>) (CAS 14808-60-7) A2 Suspected human carcinogen.

### IARC. Monographs on the evaluation of carcinogenic risks to humans

Quartz (SiO<sub>2</sub>) (CAS 14808-60-7) 1 Carcinogenic to humans.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

### Developmental effects

Quartz (SiO<sub>2</sub>) 0

### Developmental effects - EU category

Quartz (SiO<sub>2</sub>) 0

<b>Embryotoxicity</b>	
Quartz (SiO <sub>2</sub> )	0
<b>Reproductivity</b>	
Quartz (SiO <sub>2</sub> )	0

<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not an aspiration hazard.

## 12. Ecological information

<b>12.1 Ecological toxicity</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<b>12.2 Persistence and degradability</b>	No data is available on the degradability of any ingredients in the mixture.
<b>12.3 Bioaccumulative potential</b>	No data available.
<b>12.4 Mobility in soil</b>	No data available.
<b>12.5 Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

<b>Disposal instructions</b>	This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.
<b>Local disposal regulations</b>	Not available.
<b>Waste from residues / unused products</b>	Not available.
<b>Contaminated packaging</b>	Not available.

## 14. Transport information

<b>ADR</b>	Not regulated as dangerous goods.
<b>IATA</b>	Not regulated as dangerous goods.
<b>IMDG</b>	Not regulated as dangerous goods.

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

## 15. Regulatory information

### Federal regulations

**Hazardous substances in the work place (DLPW Notification Re: List of Hazardous Chemicals, Royal Gazette, Vol. 130 Part 185 Ngor, issued December 20, B.E.2556 (2013))**

Not listed.

**Thailand. Explosive Substances & Precursors (Ministry of Defense Notification Re: Arms Subject to Imports License)**

Not regulated.

**Thailand. Reportable Hazardous Substances (Notification of Ministry of Industry Re: Bases respecting report of quantity of hazardous materials under Department of Industrial Works, B.E. 2547)**

Not regulated.

### International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No

Country(s) or region	Inventory name	On inventory (yes/no)*
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)  
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

<b>Issue date</b>	07-15-2019
<b>Version #</b>	01
<b>Disclaimer</b>	This information is based on our present knowledge on creation date. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
<b>Revision information</b>	Product and Company Identification: Product and Company Identification