

# MATERIAL SAFETY DATASHEET

## KRACK-TITE

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME: **KRACK-TITE**  
Hot Grade which can be used in temperatures ranging from 10 °C to 40 °C.  
CHEMICAL NAME: Calcium Oxide  
SUPPLIER: AZUL HOLDINGS LTD  
PO BOX 450676  
Dubai  
United Arab Emirates  
Email: azulholdings@yahoo.com  
Website: <http://www.azul-holdings.com/>

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

#### COMPOSITION COMMENTS

The composition of calcium oxide is set by PRN 72 24 61 norm.

#### HAZARDOUS SUBSTANCE

CAS Number:	130 – 578 – 8
ES (EINECS) Number:	215 – 138 – 9
Chemical Name of the Substance:	Calcium Oxide – CaO
Concentration:	According to PRN 72 24 61 norm
Hazard Symbol:	C
R-Phrases:	34/37/38/41
S-Phrases:	2/22/24/25/26/36/37/38/39

### 3. HAZARDS IDENTIFICATION

When using and applying this product the following rules should be considered:

- Protect material against humidity.
- When working with this chemical substance, use protective glasses and gloves.
- Do not leave the mixture of KRACK-TITE and water in the bin but try to fill the drilled holes with this substance as soon as possible (maximum within 15 minutes).
- If during the mixing process the substance would start to warm up rapidly, in that case it is necessary dilute it totally with water and then spill it outside of working area.
- Cover the drilled holes in case their diameter is bigger or in case the temperature of the disjunctive system is too high.
- Make sure that unauthorized people do not enter the area where are the drilled holes filled with KRACK-TITE substance.
- Do not look inside of the drilled holes which are already filled with product substance. In the very extreme cases (e.g. very high temperature of the solid system and/or alternatively if the product substance is defectively mixed) it could happen that part of the product substance will blowout from the drilled hole.

Negative and hazardous impacts on the environment when using this product are not known.

Potential incorrect use of the product is not known as well.

### 4. FIRST-AID MEASURES

#### GENERAL INFORMATION

In case health problems are noticed or there are any doubts that need to be consulted, it is important to get medical attention immediately.

#### INHALATION

If inhaled, leave the exposed working area as soon as possible and evacuate possibly to fresh air. The use of respirator can avoid the unfavorable inhalation again. If needed rinse the mouth thoroughly.

#### SKIN CONTACT

In case of skin contact, immediately flush skin with plenty of water for at least 5 minutes and wash it with soap. Cover the irritated skin with an emollient and/or with appropriate skin regeneration cream.

#### EYE CONTACT

In case of contact, immediately flush eyes with plenty of water for at least 10 minutes. Then flush the eyes with boric acid eye wash and ophtal (specialized eye water).

#### INGESTION

Constantly rinse the mouth thoroughly. Drink plenty of water (minimum 0.5 liter) and induce vomiting.

#### OTHER INFORMATION

If the irritation symptoms caused by contact with the product substance, will not disappear after applying the first-aid measures, it is necessary to get medical attention.

### 5. FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

The product is non-combustible.

#### PROTECTIVE MEASURES IN FIRE

No special measures required.

### 6. ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS

It is necessary to avoid the contact of the product with skin and eyes.

#### ENVIRONMENTAL PRECAUTIONS

Avoid the uncontrolled drain when the product is mixed with water. Make sure that the drain does not enter the sewer.

#### SPILL CLEAN UP METHODS

Dry mechanical disposal. If the product gets in touch with water, it can be liquidated as other waste.

### 7. HANDLING AND STORAGE

#### USAGE PRECAUTIONS

When manipulating with this product, it is necessary to adhere to general safety regulations.

#### STORAGE PRECAUTIONS

Keep product in dry area and protect it against humidity. When material is packed on the pallets, make sure maximum 1 pallet is placed on top of each other (maximum two pallets in one column).

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### ENGINEERING MEASURES

In the working areas it is recommended to supply the operating filtration equipment, which would exhaust the spills and clean all the critical locations. Or at least it is required to ensure the proper ventilation.

Exposure limits in the air and in working area are not specified.

#### PERSONAL MEASURES

It is necessary to adhere to general health and safety regulations elaborated for chemical substances and especially avoid the contact of the product with skin and eyes.

When working with the product do not eat, drink and/or smoke. Wash your hands with warm water and soap after handling. Use the appropriate skin cream to prevent drying of skin.

#### RESPIRATORY EQUIPMENT

Protection respiratory mask.

#### HAND PROTECTION

Protective gloves.

#### EYE PROTECTION

Safety glasses.

#### SKIN PROTECTION

Suitable protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Solid
APPEARANCE:	Powder, dust
COLOUR:	White
ODOUR:	Odourless
pH VALUE:	Only if the product is mixed with water pH is from 11.0 to 13.5
BOILING POINT (°C):	Not stated
MELTING POINT (°C):	Not stated
DECOMPOSITION POINT (°C):	Not stated
IGNITION POINT (°C):	Not stated
COMBUSTIBILITY:	Non-combustible
AUTO-IGNITION TENDENCY:	Not stated
EXPLOSIVE PROPERTIES:	Lower Explosion Limit N/A Upper Explosion Limit N/A
OXIDIZING PROPERTIES:	Not known
VAPOR PRESSURE:	Not known
MEASURED WEIGHT:	3.4 x 10 <sup>3</sup> kg/m <sup>3</sup>
SOLUBILITY:	Not known
DISTRIBUTION INDEX:	Not known

## 10. STABILITY AND REACTIVITY

### STABILITY

Under standard conditions the product is stable. Avoid the uncontrolled contact with water.

### HAZARDOUS DECOMPOSITION PRODUCTS

Interaction with water is causing heat generation.

## 11. TOXICOLOGICAL INFORMATION

### TOXICOLOGICAL INFORMATION

The product is classified as corrosive and irritant material. In the form of dust but also when mixed with water, this product is irritating eyes, respiratory system and skin. It can cause serious damage to eyes and skin.

The results of other toxicological exams are not know however, based on the long term experience it is not proven that this product would have toxicological effects or would be causing other types of diseases.

## 12. ECOLOGICAL INFORMATION

### ECOTOXICITY

Harmful eco-toxic effects on environment are not known and not proven. Only in case the very big quantity of the product would be unintentionally spilled in water or rivers, this could cause eco-toxic effects as an outcome of higher pH value.

## 13. DISPOSAL CONSIDERATIONS

### PRODUCT DISPOSAL METHODS

If the product is recovered in the dry form, it can be used again. If the product is mixed with water, you can use the standard disposal methods as for the other type of waste (waste from calcination or quicklime).

### CONTAMINATED PACKAGING DISPOSAL METHODS

It is possible to use the standard disposal methods as for the other type of waste in accordance with local laws.

## 14. TRANSPORT INFORMATION

### GENERAL

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

ADR Land Transport: Not classified as hazardous.

RID Rail Transport: Not classified as hazardous.  
IMDG Marine Transport: Not classified as hazardous.  
ICAO/IATA Air Transport: Not classified.

UN NUMBER: Not applicable.

UN PROPER SHIPPING NAME: Not applicable.

TRANSPORT HAZARD CLASS(ES): No transport warning sign required.

PACKAGING GROUP: Not applicable.

ENVIRONMENTAL HAZARDS: Not classified as hazardous to the environment according to the criteria used by the transport regulations.

SPECIAL PRECAUTIONS FOR USER: Do not allow contact with water or acids.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code: Not applicable.

## 15. REGULATORY INFORMATION

### HAZARD SYMBOLS

C – Corrosive



Xi - Irritant



### RISK PHRASES

- R 34 Causes burns
- R 37 Irritating to respiratory system
- R 38 Irritating to skin
- R 41 Risk of serious damage to eyes

### SAFETY PHRASES

- S 02 Keep out of the reach of children
- S 22 Do not breathe dust
- S 24 Avoid contact with skin
- S 25 Avoid contact with eyes
- S 26 In case of contact with eyes rinse immediately with plenty of water and seek medical advice
- S 36 Wear suitable protective clothing
- S 37 Wear suitable gloves
- S 38 In case of insufficient ventilation wear suitable respiratory equipment
- S 39 Wear eye/face protection

## 16. OTHER INFORMATION

### GENERAL INFORMATION

The material safety datasheet contains information relative for assuring the safety and health protection at work as well as the environmental protection. The information above is believed to be accurate and represents the best information currently available to us. However, it shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Users should make their own investigations to determine the suitability of the information for their particular purposes.

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