

SDS: K11 FLEX (PART A)

# SAFETY DATA SHEET

## 1. IDENTIFICATION

<b>PRODUCT NAME</b>	<b>K11 Flex Part A</b>
<b>CHEMICAL FAMILY</b>	Synthetic Copolymer
<b>EMERGENCY CONTACT</b>	ParexGroup (Singapore) Pte Ltd 28 Tuas South Avenue 8 Singapore 637648 <b>Telephone: 65-68610632</b>

## 2. HEALTH HAZARD IDENTIFICATION

**THIS MATERIAL IS NOT CORROSIVE, NOT FLAMMABLE, NOT REACTIVE, NOT TOXIC AND NOT EXPLOSIVE.**

### ACUTE

<b>EYES</b>	May cause eye irritation
<b>SKIN</b>	Prolonged and repeated exposure may cause skin irritation
<b>INHALATION</b>	Prolonged exposure to high vapour concentration may cause respiratory irritation
<b>INGESTION</b>	May cause upset or irritation to the digestive system
<b>CHRONIC</b>	No specified information available

Page 1 of 5



**LANKO PAREX**

SDS: K11 FLEX (PART A)

### 3. INFORMATION ON INGREDIENTS

<u>COMPONENT</u>	<u>% BY WT</u>
------------------	----------------

Acrylic Polymer	Medium
-----------------	--------

Additives	Low
-----------	-----

Water	Balance
-------	---------

High : > 60%

Medium : 10 – 60 %

Low : < 10%

### 4. FIRST AID MEASURES

**EYES** Hold and open eye lid and rinse with plenty of water for 15 min, and consult a doctor

**SKIN** Wash affected area with soap and water, consult doctor if effects persist

**INHALATION** Move to fresh air and rest, consult doctor if effects persist

**INGESTION** Wash mouth and lips with water and seek medical attention

### 5. FIRE FIGHTING MEASURES

**FLASH POINT** Non combustible

**FLAMMABLE LIMIT** NA

**LOWER** -

**UPPER** -

**EXTINGUISHING MEDIA** General extinguishing media Foam, CO<sub>2</sub>, Dry chemical, water fog

**SPECIAL FIRE FIGHTING PROCEDURE** None

Page 2 of 5



**LANKO PAREX**

SDS: K11 FLEX (PART A)

## 6. ACCIDENTAL RELEASE MEASURES

Avoid direct skin or eye contact. Stop pedestrians from walking through the spill. Contain and collect the spilt material using absorbent material. Transfer the recovered material into containers for disposal. Use water for final clean-up. Do not allow material to enter drainages or waterways.

## 7. HANDLING AND STORAGE

### HANDLING

Avoid contact with eyes, skin and clothing. Keep away from children.

### STORAGE

Keep containers tightly closed and store in a dry and well ventilated area.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### ENGINEERING CONTROL

Use adequate ventilation to avoid high vapour concentrations

### PERSONAL PROTECTION

Precaution should be taken to avoid skin or eye contact or swallowing the product. When handling or mixing the product, avoid inhaling vapour. Wear safety glasses, chemical resistant apron and impervious gloves; e.g. PVC. Always wash hand before eating, drinking or visiting the toilet.

Page 3 of 5



**LANKO PAREX**

SDS: K11 FLEX (PART A)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE</b>	White Liquid emulsion
<b>ODOUR</b>	Slight Ammonia odor
<b>NON VOLATILE BY WT.</b>	approx. 50 %
<b>pH</b>	Alkaline
<b>SOLUBILITY IN WATER</b>	Miscible in all proportions
<b>VISCOSITY</b>	Not Determined.
<b>FREEZING POINT</b>	Not Determined.
<b>BOILING POINT</b>	Not Determined.
<b>FLASH POINT</b>	NA
<b>AUTO FLAMMABILITY</b>	NA
<b>EXPLOSIVE LIMITS</b>	NA
<b>VAPOUR PRESSURE</b>	Not Determined
<b>SPECIFIC GRAVITY</b>	approx. 1.0
<b>VAPOUR DENSITY</b>	Not Determined

## 10. STABILITY AND REACTIVITY

<b>STABILITY</b>	Stable at normal temperatures.
<b>MATERIALS AND CONDITIONS TO AVOID</b>	None known
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	None known in normal applications

## 11. TOXICOLOGICAL INFORMATION

This product is not considered a carcinogen.

## 12. ECOLOGICAL INFORMATION

This material is not known as biodegradable.

## 13. DISPOSAL CONSIDERATIONS

This preparation is not classified as special waste under the Singapore control of pollution. Consult local regulations before disposal.

Page 4 of 5



**LANKO PAREX**

SDS: K11 FLEX (PART A)

#### 14. TRANSPORT INFORMATION

No special packaging requirements. Not classified as dangerous goods under the United Nations Transport Recommendations.

#### 15. REGULATORY INFORMATION

Not classified as dangerous under current regulation.

#### 16. OTHER INFORMATION

The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. Any suggestion and recommendations made are without guarantee and liability since conditions of use are beyond our control. Appropriate warning and safe handling procedures should be provided to all those who handle and use the product and no liability can be accepted for any loss, injury or damage resulting from its use.

NA = Not Applicable

Date of Issue : September 2014 (Rev.06)



**LANKO PAREX**

SDS: K11 FLEX (PART B)

# SAFETY DATA SHEET

## 1. IDENTIFICATION

<b>PRODUCT NAME</b>	<b>K11 Flex Part B</b>
<b>CHEMICAL FAMILY</b>	Cement / silica powder mixture
<b>EMERGENCY CONTACT</b>	ParexGroup (Singapore) Pte Ltd 28 Tuas South Avenue 8 Singapore 637648 <b>Telephone : 65-68610632</b>

## 2. HEALTH HAZARD DATA

<b>ACUTE</b>	Cement and silica powder are "Nuisance dusts" that are irritants to eyes, skin and respiratory system.
<b>CHRONIC</b>	Sand is crystalline silica. Long term inhalation of silica dust may cause silicosis and cancer.

## 3. INGREDIENTS

<b><u>COMPONENT</u></b>	<b><u>% BY WT</u></b>
Cement	30 - 50 %
Crystalline Silica	20 - 40 %
Filler	20 - 40%
Additive	< 5 %

Page 1 of 5



**LANKO PAREX**

SDS: K11 FLEX (PART B)

#### 4. FIRST AID MEASURES

(Applies to product as supplied and to the mixture with water)

<b>INGESTION</b>	Wash mouth and lips with water and seek medical attention.
<b>EYE CONTACT</b>	Hold eyelids open and flush with plenty of water for 15 minutes, consult a doctor.
<b>INHALATION</b>	Move to fresh air and rest quietly. Consult a doctor if effect persists.

#### 5. FIRE FIGHTING MEASURES

<b>FLASH POINT</b>	Non combustible
<b>FLAMMABLE LIMIT LOWER</b>	N.A.
<b>UPPER</b>	-
<b>EXTINGUISHING MEDIA</b>	General extinguishing media. Foam, CO <sub>2</sub> , Dry chemical, water fog.
<b>SPECIAL FIRE FIGHTING PROCEDURE</b>	None

#### 6. ACCIDENTAL RELEASE MEASURES

Avoid skin or eye contact. Stop pedestrians from walking through the spill. Sweep up and collect any dry spilt product. Final clean-up should be with water. Do not allow material to enter drain or waterways. The unmixed products should be handled appropriately for disposal at approved landfill sites.



SDS: K11 FLEX (PART B)

## 7. HANDLING AND STORAGE

### PERSONAL PROTECTION

Precaution should be taken to avoid skin or eye contact or swallowing the product. When handling or mixing the dry product avoid inhaling dust. Wear dust mask, safety glasses, chemical resistant apron and impervious gloves; e.g. PVC. Always wash hand before eating, drinking or visiting the toilet.

### FLAMMABILITY

This product is non flammable.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### ENGINEERING CONTROL

n.a.

### PERSONAL PROTECTION

Precaution should be taken to avoid skin or eye contact or swallowing the product. When handling or mixing the product, avoid inhaling dust. Wear safety glasses, chemical resistant apron and impervious gloves; e.g. PVC. Always wash hand before eating, drinking or visiting the toilet.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE

Fine Grey Powder

### ODOUR

None

### NON VOLATILE BY WT.

Not Applicable

### pH

Alkaline (when mixed with water)

### SOLUBILITY IN WATER

Insoluble

### VISCOSITY

Not Applicable

### FREEZING POINT

Not Applicable

### BOILING POINT

Not Applicable

### VAPOUR PRESSURE

Not Applicable

### SPECIFIC GRAVITY

Not Applicable

### VAPOUR DENSITY

Not Applicable





SDS: K11 FLEX (PART B)

## 10. STABILITY AND REACTIVITY

<b>STABILITY</b>	Stable at normal temperatures when kept dry, When wet, sets to a hard lump with evolution of small amounts of heat.
<b>MATERIALS AND CONDITIONS TO AVOID</b>	Material is alkaline when mixed with water
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	None known

## 11. TOXICOLOGICAL INFORMATION

<b>INGESTION</b>	No specific data available. Not regarded as harmful by ingestion. Unlikely to cause any serious ill effects. May cause minor upset or irritation to the digestive system.
<b>INHALATION</b>	Dust arising from the preparation is not likely to cause significant disease or toxic effect if exposure is kept under reasonable control.
<b>SKIN CONTACT</b>	Prolonged contact may cause irritation, especially if wet.
<b>EYE CONTACT</b>	Will cause transient discomfort and irritation.

## 12. ECOLOGICAL INFORMATION

This material is not known as biodegradable.

## 13. DISPOSAL CONSIDERATIONS

This preparation is not classified as special waste under the Singapore control of pollution. Consult local regulations before disposal.



SDS: K11 FLEX (PART B)

#### 14. TRANSPORT INFORMATION

No special packaging requirements. Not classified as dangerous goods under the United Nations Transport Recommendations.

#### 15. REGULATORY INFORMATION

Not classified as dangerous under current regulation.

#### 16. OTHER INFORMATION

The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. Any suggestion and recommendations made are without guarantee and liability since conditions of use are beyond our control. Appropriate warning and safe handling procedures should be provided to all those who handle and use the product and no liability can be accepted for any loss, injury or damage resulting from its use.

n.a. = not applicable

Date of Issue : July 2014 (Rev 03)



**LANKO PAREX**