

SDS: K11 FLEX (PART A)

SAFETY DATA SHEET

1. IDENTIFICATION

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

2. HEALTH HAZARD IDENTIFICATION

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

ACUTE

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



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3. INFORMATION ON INGREDIENTS

<u>COMPONENT</u>	<u>% BY WT</u>
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Acrylic Polymer	Medium
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Additives	Low
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Water	Balance
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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, CO₂, Dry chemical, water fog

SPECIAL FIRE FIGHTING PROCEDURE None

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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.

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9. PHYSICAL AND CHEMICAL PROPERTIES

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

10. STABILITY AND REACTIVITY

STABILITY	Stable at normal temperatures.
MATERIALS AND CONDITIONS TO AVOID	None known
HAZARDOUS DECOMPOSITION PRODUCTS	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.



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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)



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SDS: K11 FLEX (PART B)

SAFETY DATA SHEET

1. IDENTIFICATION

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

2. HEALTH HAZARD DATA

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

3. INGREDIENTS

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

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4. FIRST AID MEASURES

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

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

5. FIRE FIGHTING MEASURES

FLASH POINT	Non combustible
FLAMMABLE LIMIT LOWER UPPER	N.A. - -
EXTINGUISHING MEDIA	General extinguishing media. Foam, CO ₂ , Dry chemical, water fog.
SPECIAL FIRE FIGHTING PROCEDURE	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.



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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

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10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

INGESTION	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.
INHALATION	Dust arising from the preparation is not likely to cause significant disease or toxic effect if exposure is kept under reasonable control.
SKIN CONTACT	Prolonged contact may cause irritation, especially if wet.
EYE CONTACT	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)

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