

## SAFETY DATA SHEET

### KERBFIX BASE COMPONENT

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

PRODUCT NAME                      KERBFIX BASE COMPONENT

CAS-No.                                100-42-5

SUPPLIER                              PAREX Ltd  
 Holly Lane Industrial Estate  
 Atherstone  
 Warwickshire  
 CV9 2QZ  
 Tel: +44 (0)1827 711755  
 (Mon-Fri 8:30-16:30)  
 Fax: +44 (0)1827 711330  
 sds@parex.co.uk

PRODUCT NO.                        DH 05(S, W) (SDS 123)

#### 2 HAZARDS IDENTIFICATION

Harmful by inhalation. Irritating to eyes and skin. Flammable.  
 CLASSIFICATION (1999/45)        Xn;R20. Xi;R36/38. R10.

#### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
UNSATURATED POLYESTER RESIN IN STYRENE		100-42-5	60-100%	Xn;R20. Xi;R36/38. R10.

The Full Text for all R-Phrases are Displayed in Section 16

GROSS FORMULA                      Styrene 40 to 45%  
 CAS-No.                                100-42-5

#### COMPOSITION COMMENTS

The product contains organic solvents.

#### 4 FIRST-AID MEASURES

##### INHALATION

Remove victim immediately from source of exposure. General first aid, rest, warmth and fresh air. Keep the affected person warm and at rest. Get prompt medical attention. DO NOT INDUCE VOMITING!

##### INGESTION

Remove victim immediately from source of exposure. Immediately rinse mouth and provide fresh air. DO NOT induce vomiting. Get medical attention immediately.

##### SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water.

##### EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

#### 5 FIRE-FIGHTING MEASURES

##### EXTINGUISHING MEDIA

Extinguish with foam, carbon dioxide or dry powder.

##### SPECIAL FIRE FIGHTING PROCEDURES

Avoid breathing fire vapours. If possible, fight fire from protected position. Keep run-off water out of sewers and water sources. Dike for water control.

##### UNUSUAL FIRE & EXPLOSION HAZARDS

FLAMMABLE.

##### SPECIFIC HAZARDS

In case of fire, toxic gases may be formed (COx, NOx).

## KERBFIX BASE COMPONENT

### PROTECTIVE MEASURES IN FIRE

Use protective equipment appropriate for surrounding materials.

### 6 ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

#### ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains, sewers or watercourses.

#### SPILL CLEAN UP METHODS

Absorb spillage with non-combustible, absorbent material. Spillage may be stored as chemical waste in approved area.

### 7 HANDLING AND STORAGE

#### USAGE PRECAUTIONS

Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Do not eat, drink or smoke when using the product. Avoid inhalation of vapours/spray and contact with skin and eyes.

#### USAGE DESCRIPTION

Do not use outside manufacturers specification.

#### STORAGE PRECAUTIONS

Do not store near heat sources or expose to high temperatures. Store in closed original container at temperatures between 0°C and 30°C.

#### STORAGE CLASS

Flammable liquid storage.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
KERBFIX BASE COMPONENT	WEL	100 ppm		250 ppm		

WEL = Workplace Exposure Limit.

#### INGREDIENT COMMENTS

Provide good ventilation and local exhaust in working area Due to the hazardous nature of ingredients, exposure should be minimal.

#### PROTECTIVE EQUIPMENT



#### ENGINEERING MEASURES

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

#### RESPIRATORY EQUIPMENT

In case of inadequate ventilation and work of brief duration, use suitable respiratory equipment. Use respiratory equipment with gas filter, type AX.

#### HAND PROTECTION

Neoprene gloves are recommended.

#### EYE PROTECTION

Wear approved safety goggles.

#### OTHER PROTECTION

Wear suitable protective clothing as protection against splashing or contamination.

#### HYGIENE MEASURES

Change work clothing daily before leaving work place. Eating, smoking and water fountains prohibited in immediate work area.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Viscous liquid		
COLOUR	Amber or Green		
ODOUR	Aromatic.		
SOLUBILITY	Insoluble in water Soluble in: Organic solvents		
BOILING POINT (°C)	>=145@760mm Hg	RELATIVE DENSITY	1.05 - 1.2 20
VISCOSITY	13 - 16 Pas 25	FLASH POINT (°C)	31 Not noted.

**KERBFIX BASE COMPONENT**

AUTO IGNITION 490  
 TEMPERATURE (°C)  
 FLAMMABILITY LIMIT - UPPER(%) 6.1

FLAMMABILITY LIMIT - LOWER(%) 1.1

**10 STABILITY AND REACTIVITY****STABILITY**

Stable under normal temperature conditions and recommended use. Avoid: Contact with peroxides.

**CONDITIONS TO AVOID**

Avoid heat, flames and other sources of ignition.

**HAZARDOUS POLYMERISATION**

May polymerise.

**MATERIALS TO AVOID**

Strong oxidising substances.

**HAZARDOUS DECOMPOSITION PRODUCTS**

In case of fire, toxic gases (CO, CO<sub>2</sub>, NO<sub>x</sub>) may be formed.

**11 TOXICOLOGICAL INFORMATION****INHALATION**

Vapours may irritate throat and respiratory system and cause headache, dizziness and dullness.

**SKIN CONTACT**

Irritating to skin.

**EYE CONTACT**

Irritating to eyes.

**12 ECOLOGICAL INFORMATION****ECOTOXICITY**

The product components are 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.

**MOBILITY**

Mobile.

**BIOACCUMULATION**

Biodegradable

**DEGRADABILITY**

The product is potentially degradable.

**13 DISPOSAL CONSIDERATIONS****GENERAL INFORMATION**

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority. Waste is classified as hazardous waste.

**DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements. Incinerate in suitable combustion chamber.

**14 TRANSPORT INFORMATION**

PROPER SHIPPING NAME

RESIN SOLUTION

UN NO. ROAD

1866

ADR CLASS NO.

3

ADR PACK GROUP

III

**KERBFIX BASE COMPONENT**

HAZARD NO. (ADR)	30 Flammable liquid (flash-point between 23°C and 61°C, inclusive) or flammable liquid or solid in the molten state with a flash-point above 61°C, heated to a temperature equal to or above its flash-point, or self heating liquid.	ADR LABEL NO.	3
RID CLASS NO.	3	RID PACK GROUP	III
UN NO. SEA	1866	IMDG CLASS	3
IMDG PACK GR.	III	MARINE POLLUTANT	No.
UN NO. AIR	1866	AIR CLASS	3
AIR PACK GR.	III		

**15 REGULATORY INFORMATION**

## LABELLING



Harmful

## CONTAINS

UNSATURATED POLYESTER RESIN IN STYRENE

## RISK PHRASES

R20	Harmful by inhalation.
R36/38	Irritating to eyes and skin.
R10	Flammable.

## UK REGULATORY REFERENCES

Petroleum (Consolidation) Act, as amended 1984 SI 1244. Chemicals (Hazard Information &amp; Packaging) Regulations.

## ENVIRONMENTAL LISTING

Control of Pollution (Special Waste Regulations) Act 1980.

## EU DIRECTIVES

Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

## STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

## APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

## GUIDANCE NOTES

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

## NATIONAL REGULATIONS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Workplace Exposure Limits 2005 (EH40)  
Control of Substances Hazardous to Health Regulations 2002 (as amended)

**16 OTHER INFORMATION**

## GENERAL INFORMATION

Risk Phrases: R10 Flammable, R20 Harmful by inhalation R36/38 Irritating to eyes, skin

REVISION DATE 31/01/2011

REV. NO./REPL. SDS GENERATED 8

SDS NO. 123

## RISK PHRASES IN FULL

R10	Flammable.
R20	Harmful by inhalation.
R36/38	Irritating to eyes and skin.

## KERBFIX BASE COMPONENT

### DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

## SAFETY DATA SHEET KERBFIX FILLER COMPONENT

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

PRODUCT NAME                   KERBFIX FILLER COMPONENT

SUPPLIER                        PAREX Ltd  
Holly Lane Industrial Estate  
Atherstone  
Warwickshire  
CV9 2QZ  
Tel: +44 (0)1827 711755  
(Mon-Fri 8:30-16:30)  
Fax: +44 (0)1827 711330  
sds@parex.co.uk

PRODUCT NO.                   DH 05 (SDS124)

CONTAINER SIZE                1.65kg Box

### 2 HAZARDS IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
DIBENZOYL PEROXIDE		94-36-0	< 1%	Xi;R36. E;R2. R43.
SILICA SAND	238-878-4	14808-60-7	60-100%	-
SLATE POWDER			10-30%	Xi;R36/37.

The Full Text for all R-Phrases are Displayed in Section 16

### 4 FIRST-AID MEASURES

#### INHALATION

Remove victim immediately from source of exposure. General first aid, rest, warmth and fresh air.

#### INGESTION

Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable seek hospital and bring these instructions.

#### SKIN CONTACT

DO NOT wash skin with solvent. Promptly flush contaminated skin with soap or mild detergent and water. Promptly remove clothing if penetrated and flush the skin with water.

#### EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Extinguish with dry sand.

#### SPECIAL FIRE FIGHTING PROCEDURES

If possible, fight fire from protected position. Avoid breathing fire vapours.

#### UNUSUAL FIRE & EXPLOSION HAZARDS

#### OXIDISING!

#### SPECIFIC HAZARDS

Oxides of Carbon, Benzoic Acid, Benzene

#### PROTECTIVE MEASURES IN FIRE

Wear full protective clothing. Use air-supplied respirator during fire fighting.

## KERBFIX FILLER COMPONENT

### 6 ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS**

Use protective gloves, goggles and suitable protective clothing. In case of inadequate ventilation, use respiratory protection. Do not smoke, use open fire or other sources of ignition.

**ENVIRONMENTAL PRECAUTIONS**

Do not discharge into drains, water courses or onto the ground. Avoid discharge to the aquatic environment.

**SPILL CLEAN UP METHODS**

Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container

### 7 HANDLING AND STORAGE

**USAGE PRECAUTIONS**

Do not handle broken packages without protective equipment. Avoid spilling, skin and eye contact. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Avoid eating, drinking and smoking when using the product.

**STORAGE PRECAUTIONS**

Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store in tightly closed original container in a dry and cool place.

**STORAGE CLASS**

Oxidiser storage.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
SILICA SAND	WEL		0,1 mg/m3			

WEL = Workplace Exposure Limit.

**INGREDIENT COMMENTS**

Provide good ventilation and local exhaustoin in working area

**PROTECTIVE EQUIPMENT**



**PROCESS CONDITIONS**

Use engineering controls to reduce dust

**RESPIRATORY EQUIPMENT**

Use respiratory equipment with particle filter, type P2.

**HAND PROTECTION**

Use suitable protective gloves if risk of skin contact.

**EYE PROTECTION**

Wear approved safety goggles.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Grains, Powder
COLOUR	Grey
ODOUR	Slight odour

### 10 STABILITY AND REACTIVITY

**STABILITY**

Will decompose at temperatures exceeding 60°C.

**CONDITIONS TO AVOID**

Avoid contact with strong reducing agents. Minimise contact with air to avoid degradation.

**HAZARDOUS POLYMERISATION**

Will not polymerise.

**KERBFIX FILLER COMPONENT****MATERIALS TO AVOID**

Strong reducing agents. Amines

**HAZARDOUS DECOMPOSITION PRODUCTS**

Benzoic acid, Benzene

**11 TOXICOLOGICAL INFORMATION****TOXICOLOGICAL INFORMATION**

Data for 78% Dibenzoyl Peroxide:

ORAL LD50 rat&gt;5000mg/kg.

max. attainable concentration) IRRITATION

Non-irritating ( 4 hours exposure time)

Non-irritating ; (4 hour exposure time)

**INGESTION**

LD50 RAT 5000mg/kg

**SKIN CONTACT**

Slightly irritating.

**EYE CONTACT**

May cause severe irritation to eyes.

**HEALTH WARNINGS**

Slightly irritating.

**ACUTE TOXICITY**

INHALATION LC50 &gt;24.3mg/l ; (4hours exposure time

SKIN

EYE Moderately irritating

**12 ECOLOGICAL INFORMATION****MOBILITY**

Not relevant, due to the form of the product.

**DEGRADABILITY**

The product is moderately biodegradable.

**13 DISPOSAL CONSIDERATIONS****DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements. Contact specialist disposal companies.

**14 TRANSPORT INFORMATION****PROPER SHIPPING NAME**

Not classified as dangerous for land transport, sea transport (IMDG-code / IMO), air transport(ICAO-TI /IATA-DGR)

**15 REGULATORY INFORMATION****RISK PHRASES**

NC

Not classified.

**SAFETY PHRASES**

P14

Contains DIBENZOYL PEROXIDE. May produce an allergic reaction.

**UK REGULATORY REFERENCES**

The Control of Substances Hazardous to Health Regulations 1988.

**EU DIRECTIVES**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

**STATUTORY INSTRUMENTS**

Chemicals (Hazard Information and Packaging) Regulations.

**APPROVED CODE OF PRACTICE**

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

**GUIDANCE NOTES**

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

**NATIONAL REGULATIONS**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689.

**16 OTHER INFORMATION**

REVISION DATE

31/01/2011

## KERBFIX FILLER COMPONENT

REV. NO./REPL. SDS GENERATED 6

SDS NO. 247

### RISK PHRASES IN FULL

R36/37	Irritating to eyes and respiratory system.
R36	Irritating to eyes.
R43	May cause sensitisation by skin contact.
NC	Not classified.
R2	Risk of explosion by shock, friction, fire or other sources of ignition.

### DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.