

## SAFETY DATA SHEET

### E70 EPOXY GROUT BASE COMPONENT

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

PRODUCT NAME E70 EPOXY GROUT BASE COMPONENT  
 CAS-No. 25668-38-6  
 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. TG70 (SDS132)

#### 2 HAZARDS IDENTIFICATION

Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION (1999/45) Xi;R36/38. R43. N;R51/53.

#### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
OXYRONE, MONO(C12-C14 ALKOXYMETHYL) DERIVATIVES			10-30%	Xi;R36/38. N;R51/53. R43.
REACTION PRODUCT BIS A-(EPICHLORHYDRIN) EPOXY RESIN (NUMBER AVERAGE MOL WT <=700)			30-60%	Xi;R36/38. N;R51/53. R43.
REACTION PRODUCT BIS F - (EPICHLORHYDRIN); EPOXY RESIN (NUMBER AVERAGE MOL WT <=700)			10-30%	Xi;R36/38. N;R51/53. R43.

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

CAS-No. 25668-38-6

#### 4 FIRST-AID MEASURES

##### INHALATION

General first aid, rest, warmth and fresh air. Get medical attention if any discomfort continues.

##### INGESTION

DO NOT induce vomiting. Get medical attention immediately. Immediately rinse mouth and drink plenty of water (200-300 ml).

##### 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, dry powder or water fog.

##### SPECIAL FIRE FIGHTING PROCEDURES

Keep run-off water out of sewers and water sources. Dike for water control.

##### UNUSUAL FIRE & EXPLOSION HAZARDS

No unusual fire or explosion hazards noted.

**E70 EPOXY GROUT BASE COMPONENT****SPECIFIC HAZARDS**

In case of fire, toxic and corrosive gases may be formed.

**PROTECTIVE MEASURES IN FIRE**

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

**6 ACCIDENTAL RELEASE MEASURES****PERSONAL PRECAUTIONS**

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes.

**ENVIRONMENTAL PRECAUTIONS**

Do not discharge into drains, water courses or onto the ground.

**SPILL CLEAN UP METHODS**

For waste disposal, see section 13. Dam and absorb spillage with sand, sawdust or other absorbent.

**7 HANDLING AND STORAGE****USAGE PRECAUTIONS**

Ensure there is sufficient ventilation in work area. Observe good chemical hygiene practices.

**USAGE DESCRIPTION**

Do not use outside manufacturers specification.

**STORAGE PRECAUTIONS**

Store in tightly closed original container in a dry and cool place.

**STORAGE CLASS**

Unspecified storage.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION****INGREDIENT COMMENTS**

No exposure limits noted for ingredient(s).

**PROTECTIVE EQUIPMENT****RESPIRATORY EQUIPMENT**

No specific recommendations.

**HAND PROTECTION**

The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

**EYE PROTECTION**

Wear approved safety goggles.

**HYGIENE MEASURES**

Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated.

**SKIN PROTECTION**

Avoid skin contact

**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Viscous liquid		
COLOUR	Light (or pale) Yellow		
ODOUR	Characteristic		
SOLUBILITY	Insoluble in water Soluble in: Organic solvents		
BOILING POINT (°C)	>200@760mg Hg	MELTING POINT (°C)	-5
RELATIVE DENSITY	1.13g/ml	VISCOSITY	900-1050 mPas 25
FLASH POINT (°C)	>140°C Not noted.		

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

Stable under normal temperature conditions and recommended use.

## E70 EPOXY GROUT BASE COMPONENT

**CONDITIONS TO AVOID**

Avoid frost.

**HAZARDOUS POLYMERISATION**

May polymerise.

**POLYMERISATION DESCRIPTION**

Will polymerise with amines

**MATERIALS TO AVOID**

Amines

**HAZARDOUS DECOMPOSITION PRODUCTS**

In case of fire, toxic gases (CO, CO2, NOx) may be formed.

### 11 TOXICOLOGICAL INFORMATION

**INHALATION**

May cause irritation to the respiratory system.

**INGESTION**

May cause discomfort if swallowed.

**SKIN CONTACT**

Irritating to skin. May cause sensitisation by skin contact.

**EYE CONTACT**

Irritating to eyes.

### 12 ECOLOGICAL INFORMATION

**ECOTOXICITY**

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment. Harmful to Fish

EC 50, 48 Hrs, DAPHNIA, mg/l      2.8

**DEGRADABILITY**

The product is not readily biodegradable.

### 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.

**DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements.

### 14 TRANSPORT INFORMATION



PROPER SHIPPING NAME	Environmentally Hazardous Substance, Liquid, NOS (Epoxy Resin)		
UN NO. ROAD	3082	ADR CLASS NO.	9
ADR PACK GROUP	III	ADR LABEL NO.	9
RID CLASS NO.	9	RID PACK GROUP	III
UN NO. SEA	3082	IMDG CLASS	9
IMDG PACK GR.	III	MARINE POLLUTANT	No.
UN NO. AIR	3082	AIR CLASS	9
AIR PACK GR.	III		

### 15 REGULATORY INFORMATION

**LABELLING**

**E70 EPOXY GROUT BASE COMPONENT**



Irritant



Dangerous for the environment

**CONTAINS**

OXYRONE, MONO(C12-C14 ALKOXYMETHYL) DERIVATIVES  
 REACTION PRODUCT BIS A-(EPICHLORHYDRIN) EPOXY RESIN (NUMBER AVERAGE MOL WT <=700)  
 REACTION PRODUCT BIS F -(EPICHLORHYDRIN); EPOXY RESIN (NUMBER AVERAGE MOL WT <=700)

**RISK PHRASES**

R36/38 Irritating to eyes and skin.  
 R43 May cause sensitisation by skin contact.  
 R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**SAFETY PHRASES**

S24/25 Avoid contact with skin and eyes.  
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S37 Wear suitable gloves.  
 S57 Use appropriate containment to avoid environmental contamination.  
 S60 This material and its container must be disposed of as hazardous waste.  
 S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

**UK REGULATORY REFERENCES**

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

**16 OTHER INFORMATION**

REVISION DATE 28/01/2011

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**RISK PHRASES IN FULL**

R36/38 Irritating to eyes and skin.  
 R43 May cause sensitisation by skin contact.  
 R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**DISCLAIMER**

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## SAFETY DATA SHEET

### E70 EPOXY GROUT FILLER COMPONENT

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

PRODUCT NAME E70 EPOXY GROUT FILLER COMPONENT

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

PRODUCT NO. TG70 (SDS134)

#### 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)
SILICA SAND	238-878-4	14808-60-7	60-100%	-

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

#### 4 FIRST-AID MEASURES

##### INHALATION

Move the exposed person to fresh air at once.

##### INGESTION

Rinse mouth thoroughly. DO NOT INDUCE VOMITING! Get medical attention if any discomfort continues.

##### SKIN CONTACT

Wash the skin immediately with soap and water.

##### EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

#### 5 FIRE-FIGHTING MEASURES

##### EXTINGUISHING MEDIA

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

#### 6 ACCIDENTAL RELEASE MEASURES

##### SPILL CLEAN UP METHODS

Avoid generation and spreading of dust. Shovel into dry containers. Cover and move the containers. Flush the area with water.

#### 7 HANDLING AND STORAGE

##### USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Avoid handling which leads to dust formation.

##### STORAGE PRECAUTIONS

Store in tightly closed original container in a dry and cool place. Keep in original container.

#### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

## E70 EPOXY GROUT FILLER COMPONENT

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

WEL = Workplace Exposure Limit.

**PROTECTIVE EQUIPMENT**



**ENGINEERING MEASURES**

Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of dust.

**RESPIRATORY EQUIPMENT**

No specific recommendation made, but protection against nuisance dust must be used when the general level exceeds 10 mg/m3.

**HAND PROTECTION**

Use suitable protective gloves if risk of skin contact.

**EYE PROTECTION**

Wear approved safety goggles.

**HYGIENE MEASURES**

**DO NOT SMOKE IN WORK AREA!** Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE** Powder, dust

### 10 STABILITY AND REACTIVITY

**STABILITY**

Stable under normal temperature conditions.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2).

### 11 TOXICOLOGICAL INFORMATION

**INHALATION**

Dust in high concentrations may irritate the respiratory system.

**INGESTION**

May cause discomfort if swallowed.

**SKIN CONTACT**

Powder may irritate skin.

**EYE CONTACT**

Particles in the eyes may cause irritation and smarting.

### 12 ECOLOGICAL INFORMATION

**ECOTOXICITY**

Not regarded as dangerous for the environment.

### 13 DISPOSAL CONSIDERATIONS

**DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements.

### 14 TRANSPORT INFORMATION

**ROAD TRANSPORT NOTES** Not Classified

**RAIL TRANSPORT NOTES** Not classified.

**SEA TRANSPORT NOTES** Not classified.

**AIR TRANSPORT NOTES** Not classified.

**E70 EPOXY GROUT FILLER COMPONENT****15 REGULATORY INFORMATION**

## RISK PHRASES

NC Not classified.

## SAFETY PHRASES

NC Not classified.

## 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**

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## RISK PHRASES IN FULL

NC Not classified.

## DISCLAIMER

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## SAFETY DATA SHEET

### E70 EPOXY GROUT HARDENER COMPONENT

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

PRODUCT NAME E70 EPOXY GROUT HARDENER COMPONENT

SUPPLIER PAREX Ltd  
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sds@parex.co.uk

PRODUCT NO. TG70 (SDS133)

#### 2 HAZARDS IDENTIFICATION

Harmful by inhalation, in contact with skin and if swallowed. Causes burns. May cause sensitisation by skin contact. Possible risk of impaired fertility.

CLASSIFICATION (1999/45) Xn;R20/21/22. Repr. Cat. 3;R62. C;R34. R43.

#### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
BENZYL ALCOHOL		100-51-6	30-60%	Xn;R20/22.
DIETHYLENE TRIAMINE		111-40-0	30-60%	Xn;R21/22. C;R34. R43.
P'-p' ISOPROPYLIDENEDIPHENOL		80-05-7	10-30%	Repr. Cat. 3;R62. Xi;R37,R41. R43,R52.

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

#### 4 FIRST-AID MEASURES

##### INHALATION

Move into fresh air and keep at rest.

##### INGESTION

Get medical attention. Immediately rinse mouth and provide fresh air.

##### 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 eyes wide apart.

#### 5 FIRE-FIGHTING MEASURES

##### EXTINGUISHING MEDIA

Extinguish with foam, carbon dioxide, dry powder or water fog.

##### SPECIAL FIRE FIGHTING PROCEDURES

Beware, risk of formation of toxic and corrosive gases.

##### UNUSUAL FIRE & EXPLOSION HAZARDS

Vapours may ignite.

##### SPECIFIC HAZARDS

Oxides of Carbon, Benzoic Acid, Benzene

##### PROTECTIVE MEASURES IN FIRE

Use protective equipment appropriate for surrounding materials.

#### 6 ACCIDENTAL RELEASE MEASURES



**E70 EPOXY GROUT HARDENER COMPONENT****PERSONAL PRECAUTIONS**

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

**ENVIRONMENTAL PRECAUTIONS**

Do not discharge into drains, water courses or onto the ground.

**SPILL CLEAN UP METHODS**

Collect with absorbent, non-combustible material into suitable containers.

**7 HANDLING AND STORAGE****USAGE PRECAUTIONS**

Read and follow manufacturer's recommendations.

**USAGE DESCRIPTION**

Do not use outside manufacturers specification.

**STORAGE CLASS**

Corrosive storage.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION****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.

**HAND PROTECTION**

For prolonged or repeated skin contact use suitable protective gloves.

**EYE PROTECTION**

wear suitable safety glasses to EN166

**SKIN PROTECTION**

Avoid skin contact

**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Light viscous liquid		
COLOUR	Light (or pale) Amber		
ODOUR	Amine.		
SOLUBILITY	Immiscible with water		
BOILING POINT (°C)	>200@760mmHg	RELATIVE DENSITY	1.01(g/ml) 23
VAPOUR PRESSURE	0.3 Pa 20	VOLATILE BY VOL. (%)	NIL
VISCOSITY	25 mPas 23	FLASH POINT (°C)	96 °C
AUTO IGNITION	395	FLAMMABILITY LIMIT - LOWER(%)	1.0
TEMPERATURE (°C)			
FLAMMABILITY LIMIT - UPPER(%)	13.0		

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

Stable under normal temperature conditions and recommended use.

**CONDITIONS TO AVOID**

Minimise contact with air to avoid degradation.

**POLYMERISATION DESCRIPTION**

Will polymerise with epoxy resins

**HAZARDOUS DECOMPOSITION PRODUCTS**

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

**11 TOXICOLOGICAL INFORMATION**

## E70 EPOXY GROUT HARDENER COMPONENT

**INHALATION**

Upper respiratory irritation.

**INGESTION**

Irritating. May cause nausea, stomach pain and vomiting.

**SKIN CONTACT**

Irritating to skin.

**EYE CONTACT**

Irritating to eyes. Irritation of eyes and mucous membranes.

### 12 ECOLOGICAL INFORMATION

**ECOTOXICITY**

Harmful to Fish The product may have adverse effects on organisms in soil and water.

### 13 DISPOSAL CONSIDERATIONS

**DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements.

### 14 TRANSPORT INFORMATION



PROPER SHIPPING NAME	CORROSIVE LIQUID N.O.S		
PROPER SHIPPING NAME	(2, 2'-iminodiethylamine, benzyl alcohol, bisphenol A)		
UN NO. ROAD	1760	ADR CLASS NO.	8
ADR PACK GROUP	II	RID CLASS NO.	8
RID PACK GROUP	II	UN NO. SEA	1760
IMDG CLASS	8	IMDG PACK GR.	II
UN NO. AIR	1760	AIR CLASS	8
AIR PACK GR.	II		

### 15 REGULATORY INFORMATION

**LABELLING**



Corrosive



Harmful

**CONTAINS**

BENZYL ALCOHOL  
 DIETHYLENE TRIAMINE  
 P'-p' ISOPROPYLIDENEDIPHENOL

**RISK PHRASES**

R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R34	Causes burns.
R43	May cause sensitisation by skin contact.
R62	Possible risk of impaired fertility.

**SAFETY PHRASES**

S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S60	This material and its container must be disposed of as hazardous waste.
S28	After contact with skin, wash immediately with plenty of water.

**E70 EPOXY GROUT HARDENER COMPONENT**

## UK REGULATORY REFERENCES

The Control of Substances Hazardous to Health Regulations 1988.

## 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.

## 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.

**16 OTHER INFORMATION**

REVISION DATE 28/01/2011

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SDS NO. 133

## RISK PHRASES IN FULL

R34	Causes burns.
R20/22	Harmful by inhalation and if swallowed.
R21/22	Harmful in contact with skin and if swallowed.
R52	Harmful to aquatic organisms.
R37	Irritating to respiratory system.
R43	May cause sensitisation by skin contact.
R62	Possible risk of impaired fertility.
R41	Risk of serious damage to eyes.

## DISCLAIMER

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