

## 1. Identification

### Product identifier

FIS SB 390 S, FIS SB 585 S, FIS 1500 S (Component A)

### Use of the substance/mixture

Mortar

### Details of the supplier of the safety data sheet

Company name: fischer fixings LLC (fius)  
Street: 850 South Jupiter Rd, Suite 300  
Place: USA Garland TX 75042  
Telephone: +1-214-425-9720 Telefax: +1 84 56 25 26 66  
e-mail: info@fischerfixingsusa.com  
Internet: www.fischerfixingsusa.com  
Responsible Department:

Responsible for the safety data sheet: sds@gbk-ingelheim.de

### Emergency phone number:

Emergency Telephone: +1 3523233500 (INFOTRAC)

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## 2. Hazard(s) identification

### Classification of the chemical

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Dam. 1

Respiratory or skin sensitization: Skin Sens. 1

Specific target organ toxicity single exposure: STOT SE 3

Hazard Statements:

Causes skin irritation

May cause an allergic skin reaction

Causes serious eye damage

May cause respiratory irritation

### Label elements

Signal word:

Danger

Pictograms:



### Hazard statements

Causes skin irritation

May cause an allergic skin reaction

Causes serious eye damage

May cause respiratory irritation

### Precautionary statements

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Wear protective gloves/protective clothing/eye protection/face protection.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Immediately call a poison center/doctor.

### Hazards not otherwise classified

No data available.

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## 3. Composition/information on ingredients

### Mixtures

## Chemical characterization

Mortar

### Hazardous components

CAS No	Components	Quantity
65997-15-1	Portland cement	25 - 50 %
14808-60-7	Quartz, silicium dioxide	10 - 25 %
27813-02-1	Methacrylic acid, monoester with propane-1,2-diol	2.5 - 10 %

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## 4. First-aid measures

### Description of first aid measures

#### General information

Remove contaminated soaked clothing immediately.  
In the event of persistent symptoms receive medical treatment.

#### After inhalation

Move to fresh air in case of accidental inhalation of vapours or decomposition products.  
In the event of symptoms refer for medical treatment.

#### After contact with skin

Wash off immediately with soap and plenty of water.  
Consult a doctor if skin irritation persists.

#### After contact with eyes

Rinse eyes immediately with large amounts of water for several minutes, especially under the eyelids.  
Seek medical treatment by eye specialist.

#### After ingestion

Do not induce vomiting.  
If swallowed give water to drink.  
Seek medical treatment immediately.

### Most important symptoms and effects, both acute and delayed

DANGER!

Irritant to eyes, skin and respiratory system.  
May cause an allergic skin reaction.

OSHA Hazard Communication: This material is considered hazardous by the OSHA Hazard Communication Standard 29CFR 1910.1200.

### Indication of any immediate medical attention and special treatment needed

Treat symptoms.

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## 5. Fire-fighting measures

### Extinguishing media

#### Suitable extinguishing media

Foam, carbon dioxide (CO<sub>2</sub>), dry chemical, water-spray.  
Sand

#### Unsuitable extinguishing media

Full water jet.

### Specific hazards arising from the chemical

Risk of formation of toxic pyrolysis products.

### Special protective equipment and precautions for fire-fighters

Use breathing apparatus with independent air supply.

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## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Remove persons to safety.  
Ensure adequate ventilation.

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**Environmental precautions**

Clean contaminated surface thoroughly.  
Do not discharge into the drains/surface waters/groundwater.

**Methods and material for containment and cleaning up**

Take up mechanically and send for disposal.  
Shovel into suitable container for disposal.

**Reference to other sections**

Information for disposal look up chapter 13.

**7. Handling and storage**

**Precautions for safe handling**

**Advice on safe handling**

Use only in thoroughly ventilated areas.  
Avoid contact with skin, eyes and clothing.  
When using do not eat, drink or smoke.

**Further information on handling**

Protect from direct solar radiation.

**Conditions for safe storage, including any incompatibilities**

**Requirements for storage rooms and vessels**

Storage: cool and dry

**Further information on storage conditions**

Keep away from food, drink and animal feeding stuffs.

**8. Exposure controls/personal protection**

**Control parameters**

**Exposure limits**

CAS No.	Substance	ppm	mg/m <sup>3</sup>	f/cc	Category	Origin
65997-15-1	Portland cement (total)	-	10		TWA (8 h)	REL
65997-15-1	Portland cement (respirable fraction)		1		TWA (8 h)	TLV
65997-15-1	Portland cement, respirable fraction	1765 mp/m <sup>3</sup>	5		TWA (8 h)	PEL
14808-60-7	Silica, crystalline (as respirable dust)	-	0.05		TWA (8 h)	REL
14808-60-7	Silica, crystalline - alpha-quartz (respirable fraction)		0.025		TWA (8 h)	TLV
14808-60-7	Silica, crystalline quartz, respirable dust	(Z-3)	(Z-3)		TWA (8 h)	PEL

**Additional advice on limit values**

Quartz, silicium dioxide\*

\*An inhalation risk is not expected in this form.

**Exposure controls**

**Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas.

**Protective and hygiene measures**

Wash hands before breaks and immediately after handling the product.  
When using do not eat, drink or smoke.  
Avoid contact with skin, eyes and clothing.  
Remove and wash contaminated clothes before re-use.

**Eye/face protection**

Tightly fitting goggles.

**Hand protection**

Protective gloves resistant to chemicals made of butyl, Minimum coat thickness 0,7 mm, Permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Butoject 898> made by www.kcl.de.

**FIS SB 390 S, FIS SB 585 S, FIS 1500 S (Component A)**

Product code: 10630-0003

This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

**Skin protection**

Long sleeved clothing.

**Respiratory protection**

Not required under normal use.

Use suitable breathing apparatus if there is inadequate ventilation.

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**9. Physical and chemical properties**

**Information on basic physical and chemical properties**

Physical state:	Paste	
Color:	Grey	
Odor:	Characteristic	
pH-Value (at 20 °C):	n.d.	
<b>Changes in the physical state</b>		
Melting point/freezing point:	n.d.	
Initial boiling point and boiling range:	n.d.	
Flash point:	>100 °C	DIN ISO 2592
Lower explosion limits:	n.d.	
Upper explosion limits:	n.d.	
Vapor pressure: (at 20 °C)		DIN 51616
Density (at 20 °C):	1,7 - 1,8 g/cm <sup>3</sup>	DIN 51757
Water solubility: (at 20 °C)	n.d.	
Viscosity / dynamic:		Brookfield

**Other information**

No data available.

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**10. Stability and reactivity**

**Reactivity**

No decomposition if stored and applied as directed.

**Chemical stability**

Stability: Stable

No decomposition if stored and applied as directed.

**Possibility of hazardous reactions**

Hazardous reactions: Will not occur

No data available.

**Conditions to avoid**

Keep away from heat and sources of ignition.

**Incompatible materials**

Reactions with metals in powder form.  
Reactions with strong acids and alkalies.  
Reactions with strong oxidizing agents.

**Hazardous decomposition products**

Carbon monoxide and carbon dioxide.  
Nitrous oxides (NOx)

**Further information**

No decomposition if stored and applied as directed.

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## 11. Toxicological information

### Information on toxicological effects

#### **Route(s) of Entry**

Skin and eye contact, inhalation and ingestion.

#### **Acute toxicity**

Based on available data, the classification criteria are not met.

#### **Irritation and corrosivity**

Causes skin irritation

Causes serious eye damage

#### **Sensitizing effects**

May cause an allergic skin reaction (Methacrylic acid, monoester with propane-1,2-diol)

#### **Specific target organ toxicity (STOT) - single exposure**

May cause respiratory irritation (Portland cement)

#### **Severe effects after repeated or prolonged exposure**

Based on available data, the classification criteria are not met.

#### **Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.

Carcinogenicity (NTP): Not listed

Carcinogenicity (IARC): Not listed

Carcinogenicity (OSHA): Not listed

#### **Aspiration hazard**

Based on available data, the classification criteria are not met.

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## 12. Ecological information

### Ecotoxicity

No data available.

### Persistence and degradability

No data available.

### Bioaccumulative potential

No data available.

### Mobility in soil

No data available.

### Other adverse effects

No data available.

#### **Further information**

Do not discharge product unmonitored into the environment.

Product is not allowed to be discharged into aquatic environment.

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## 13. Disposal considerations

### Waste treatment methods

#### **Advice on disposal**

Can be incinerated, when in compliance with local regulations.

Where possible recycling is preferred to disposal.

#### **Contaminated packaging**

Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packagings are to be treated like the product itself.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

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## 14. Transport information

### **US DOT 49 CFR 172.101**

**Proper shipping name:** Not regulated.

**Other applicable information**

Non hazardous material as defined by the transport regulations.

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**15. Regulatory information**

**U.S. Regulations**

**National Inventory TSCA**

All of the components are listed on the TSCA inventory.

**National regulatory information**

SARA Section 311/312 Hazards:

Portland cement (65997-15-1): Immediate (acute) health hazard

Methacrylic acid, monoester with propane-1,2-diol (27813-02-1): Immediate (acute) health hazard

**SARA**

To the best of our knowledge this product contains no toxic chemicals subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 372.

**State Regulations**

**Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)**

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

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**16. Other information**

**HMIS Hazardous Materials Information System**

Health: \*1

Flammability: 1

Physical Hazard: 0

**NFPA Hazard Ratings**

Health: 1

Flammability: 1

Reactivity: 0

Unique Hazard:



**Changes**

Revision date: 29.09.2015

Revision No: 1,3

Changes in chapter:

**Abbreviations and acronyms**

IMDG = International Maritime Code for Dangerous Goods

IATA/ICAO = International Air Transport Association / International Civil Aviation Organization

MARPOL = International Convention for the Prevention of Pollution from Ships

DOT = Department of Transportation

TDG = Transport of Dangerous Goods

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

CAS = Chemical Abstract Service

ISO = International Organization for Standardization

LD = Lethal dose

LC = Lethal concentration

EC = Effect concentration

IC = Median immobilisation concentration or median inhibitory concentration

**Other data**

The information in this document is based on the present state of knowledge and is applicable to the product with regard to appropriate safety precautions.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

**Safety Data Sheet** according to 29 CFR 1910.1200(g)

fischer fixings LLC (fius)

Revision date: 29.09.2015

Revision No: 1,3

**FIS SB 390 S, FIS SB 585 S, FIS 1500 S (Component A)**

Product code: 10630-0003

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The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*

## 1. Identification

### Product identifier

FIS SB 390 S, FIS SB 585 S, FIS 1500 S (Component B)

### Use of the substance/mixture

Hardener based on dibenzoyl peroxide

### Details of the supplier of the safety data sheet

Company name: fischer fixings LLC (fius)  
Street: 850 South Jupiter Rd, Suite 300  
Place: USA Garland TX 75042  
Telephone: +1-214-425-9720 Telefax: +1 84 56 25 26 66  
e-mail: info@fischerfixingsusa.com  
Internet: www.fischerfixingsusa.com  
Responsible Department:

Responsible for the safety data sheet: sds@gbk-ingelheim.de

**Emergency phone number:** Emergency Telephone: +1 3523233500 (INFOTRAC)

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## 2. Hazard(s) identification

### Classification of the chemical

Hazard categories:

Respiratory or skin sensitization: Skin Sens. 1

Specific target organ toxicity repeated or prolonged exposure: STOT RE 2

Hazard Statements:

May cause an allergic skin reaction

May cause damage to organs through prolonged or repeated exposure

Toxic to aquatic life with long lasting effects

### Label elements

Signal word:

Warning

Pictograms:



### Hazard statements

May cause an allergic skin reaction

May cause damage to organs through prolonged or repeated exposure

Toxic to aquatic life with long lasting effects

### Precautionary statements

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Wear protective gloves/protective clothing/eye protection/face protection.

### Hazards not otherwise classified

No data available.

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## 3. Composition/information on ingredients

### Mixtures

#### **Chemical characterization**

Hardener based on dibenzoyl peroxide



**Hazardous components**

CAS No	Components	Quantity
14808-60-7	Quartz, silicium dioxide	> 50 %
94-36-0	dibenzoyl peroxide; benzoyl peroxide	2.5 - 10 %
107-21-1	ethanediol, ethylene glycol	2.5 - 10 %

**4. First-aid measures**

**Description of first aid measures**

**General information**

Remove contaminated soaked clothing immediately.  
In the event of persistent symptoms receive medical treatment.

**After inhalation**

Move to fresh air in case of accidental inhalation of vapours or decomposition products.  
In the event of symptoms refer for medical treatment.

**After contact with skin**

Wash off immediately with soap and plenty of water.  
Consult a doctor if skin irritation persists.

**After contact with eyes**

Rinse eyes immediately with large amounts of water for several minutes, especially under the eyelids.  
Seek medical treatment by eye specialist.

**After ingestion**

Do not induce vomiting.  
If swallowed give water to drink.  
Seek medical treatment immediately.

**Most important symptoms and effects, both acute and delayed**

WARNING !

Irritant to eyes, skin and respiratory system.  
May cause an allergic skin reaction.

OSHA Hazard Communication: This material is considered hazardous by the OSHA Hazard Communication Standard 29CFR 1910.1200.

**Indication of any immediate medical attention and special treatment needed**

Treat symptoms.

**5. Fire-fighting measures**

**Extinguishing media**

**Suitable extinguishing media**

Foam, carbon dioxide (CO2), dry chemical, water-spray.  
Sand

**Unsuitable extinguishing media**

Full water jet.

**Specific hazards arising from the chemical**

Risk of formation of toxic pyrolysis products.

**Special protective equipment and precautions for fire-fighters**

Use breathing apparatus with independent air supply.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

Remove persons to safety.  
Ensure adequate ventilation.  
Keep away sources of ignition.

**Environmental precautions**

Clean contaminated surface thoroughly.

Do not discharge into the drains/surface waters/groundwater.

**Methods and material for containment and cleaning up**

Take up mechanically.

Shovel into suitable container for disposal.

**Reference to other sections**

Information for disposal look up chapter 13.

**7. Handling and storage**

**Precautions for safe handling**

**Advice on safe handling**

Use only in thoroughly ventilated areas.

Avoid contact with skin, eyes and clothing.

When using do not eat, drink or smoke.

**Further information on handling**

Protect from direct solar radiation.

**Conditions for safe storage, including any incompatibilities**

**Requirements for storage rooms and vessels**

Storage: cool and dry

**Further information on storage conditions**

Keep away from food, drink and animal feeding stuffs.

**8. Exposure controls/personal protection**

**Control parameters**

**Exposure limits**

CAS No.	Substance	ppm	mg/m³	f/cc	Category	Origin
94-36-0	Benzoyl peroxide	-	5		TWA (8 h)	PEL
		-	5		TWA (8 h)	REL
			5		TWA (8 h)	TLV
107-21-1	Ethylene glycol (aerosol only)	-	-		TWA (8 h)	TLV
			100		Peak	TLV
14808-60-7	Silica, crystalline (as respirable dust)	-	0.05		TWA (8 h)	REL
14808-60-7	Silica, crystalline - alpha-quartz (respirable fraction)		0.025		TWA (8 h)	TLV
14808-60-7	Silica, crystalline quartz, respirable dust	(Z-3)	(Z-3)		TWA (8 h)	PEL

**Additional advice on limit values**

Quartz, silicium dioxide\*

\*An inhalation risk is not expected in this form.

**Exposure controls**

**Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas.

**Protective and hygiene measures**

Wash hands before breaks and immediately after handling the product.

When using do not eat, drink or smoke.

Avoid contact with skin, eyes and clothing.

Remove and wash contaminated clothes before re-use.

**Eye/face protection**

Tightly fitting goggles.

**Hand protection**

Not required under normal use.

Protective gloves resistant to chemicals made of butyl, Minimum coat thickness 0,7 mm, Permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Butoject 898> made by

**FIS SB 390 S, FIS SB 585 S, FIS 1500 S (Component B)**

Product code: 10630-0004

www.kcl.de.

This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

**Skin protection**

Long sleeved clothing.

**Respiratory protection**

Not required under normal use.

Use suitable breathing apparatus if there is inadequate ventilation.

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**9. Physical and chemical properties**

**Information on basic physical and chemical properties**

Physical state:	Paste	
Color:	Black	
Odor:	Characteristic	
pH-Value (at 20 °C):	n.d.	
<b>Changes in the physical state</b>		
Melting point/freezing point:	n.d.	
Initial boiling point and boiling range:	n.d.	
Flash point:	>100 °C	DIN ISO 2592
Lower explosion limits:	n.d.	
Upper explosion limits:	n.d.	
Vapor pressure: (at 20 °C)		DIN 51616
Density (at 20 °C):	1,7 - 1,8 g/cm <sup>3</sup>	DIN 51757
Water solubility: (at 20 °C)	n.d.	
Viscosity / dynamic:		Brookfield

**Other information**

No data available.

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**10. Stability and reactivity**

**Reactivity**

No decomposition if stored and applied as directed.

**Chemical stability**

Stability: Stable

Stable under normal conditions.

**Possibility of hazardous reactions**

Hazardous reactions: Will not occur

No data available.

**Conditions to avoid**

No decomposition if stored and applied as directed.

**Incompatible materials**

- Reactions with metals in powder form.
- Reactions with strong acids and alkalies.
- Reactions with strong oxidizing agents.

**Hazardous decomposition products**

- Carbon monoxide and carbon dioxide.
- Nitrous oxides (NOx)

**Further information**

No decomposition if stored and applied as directed.

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## 11. Toxicological information

### Information on toxicological effects

#### Route(s) of Entry

Skin and eye contact, inhalation and ingestion.

#### Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Components				
	Exposure routes	Method	Dose	Species	Source
107-21-1	ethanediol, ethylene glycol				
	oral	LD50	5840 mg/kg	Rat	
	dermal	LD50	9530 mg/kg	Rabbit	

#### Irritation and corrosivity

Based on available data, the classification criteria are not met.

#### Sensitizing effects

May cause an allergic skin reaction (dibenzoyl peroxide; benzoyl peroxide)

#### Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met.

#### Severe effects after repeated or prolonged exposure

May cause damage to organs through prolonged or repeated exposure (ethanediol, ethylene glycol)

#### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

Carcinogenicity (NTP): Not listed

Carcinogenicity (IARC): Not listed

Carcinogenicity (OSHA): Not listed

#### Aspiration hazard

Based on available data, the classification criteria are not met.

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## 12. Ecological information

### Ecotoxicity

No data available.

### Persistence and degradability

No data available.

### Bioaccumulative potential

No data available.

### Mobility in soil

No data available.

### Other adverse effects

No data available.

#### Further information

Do not discharge product unmonitored into the environment.

Product is not allowed to be discharged into aquatic environment.

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## 13. Disposal considerations

### Waste treatment methods

#### Advice on disposal

Can be incinerated, when in compliance with local regulations.

Where possible recycling is preferred to disposal.

#### Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packagings are to be treated like the product itself.

**Safety Data Sheet** according to 29 CFR 1910.1200(g)

fischer fixings LLC (fius)

Revision date: 29.09.2015

Revision No: 1,3

**FIS SB 390 S, FIS SB 585 S, FIS 1500 S (Component B)**

Product code: 10630-0004

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

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**14. Transport information**

**US DOT 49 CFR 172.101**

**UN/ID number:** UN 3077  
**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (DIBENZOYL PEROXIDE)  
**Transport hazard class(es):** 9  
**Packing group:** III  
Hazard label: 9

**Marine transport (IMDG)**

**UN number:** UN 3077  
**UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (DIBENZOYL PEROXIDE)  
**Transport hazard class(es):** 9  
**Packing group:** III  
Hazard label: 9



Limited quantity: 5 kg  
Excepted quantity: E1  
EmS: F-A, S-F

**Air transport (ICAO)**

**UN number:** UN 3077  
**UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (DIBENZOYL PEROXIDE)  
**Transport hazard class(es):** 9  
**Packing group:** III  
Hazard label: 9



Limited quantity Passenger: 30 kg G  
Passenger LQ: Y956  
Excepted quantity: E1  
IATA-packing instructions - Passenger: 956  
IATA-max. quantity - Passenger: 400 kg  
IATA-packing instructions - Cargo: 956  
IATA-max. quantity - Cargo: 400 kg

**Other applicable information**

Non hazardous material as defined by the transport regulations.

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**15. Regulatory information**

**U.S. Regulations**

**National Inventory TSCA**

All of the components are listed on the TSCA inventory.

**National regulatory information**

SARA Section 304 CERCLA:

Ethylene glycol (107-21-1): Reportable quantity = 5,000 (2270) lbs. (kg)

SARA Section 311/312 Hazards:

**Safety Data Sheet** according to 29 CFR 1910.1200(g)

fischer fixings LLC (fius)

Revision date: 29.09.2015

Revision No: 1,3

**FIS SB 390 S, FIS SB 585 S, FIS 1500 S (Component B)**

Product code: 10630-0004

Benzoyl peroxide (94-36-0): Reactive, Immediate (acute) health hazard

Ethylene glycol (107-21-1): Immediate (acute) health hazard, Delayed (chronic) health hazard

SARA Section 313 Toxic release inventory:

Benzoyl peroxide (94-36-0): De minimis limit = 1.0 %, Reportable threshold = Standard

Ethylene glycol (107-21-1): De minimis limit = 1.0 %, Reportable threshold = Standard

Clean Air Act Section 112(b):

Ethylene glycol (107-21-1)

**SARA**

To the best of our knowledge this product contains no toxic chemicals subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 372.

**State Regulations**

**Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)**

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

**16. Other information**

**HMIS Hazardous Materials Information System**

Health: \*1

Flammability: 1

Physical Hazard: 0

**NFPA Hazard Ratings**

Health: 1

Flammability: 1

Reactivity: 0

Unique Hazard:



**Changes**

Revision date: 29.09.2015

Revision No: 1,3

Changes in chapter:

**Abbreviations and acronyms**

IMDG = International Maritime Code for Dangerous Goods

IATA/ICAO = International Air Transport Association / International Civil Aviation Organization

MARPOL = International Convention for the Prevention of Pollution from Ships

DOT = Department of Transportation

TDG = Transport of Dangerous Goods

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

CAS = Chemical Abstract Service

ISO = International Organization for Standardization

LD = Lethal dose

LC = Lethal concentration

EC = Effect concentration

IC = Median immobilisation concentration or median inhibitory concentration

**Other data**

The information in this document is based on the present state of knowledge and is applicable to the product with regard to appropriate safety precautions.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*