

**Airfill 2 Filler paste**

Material number Airfill2FP

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name: Airfill 2 Filler paste

**1.2 Relevant identified uses of the substance or mixture and uses advised against**General use: Filling compound  
For industrial purposes only**1.3 Details of the supplier of the safety data sheet**

Company name: AIRTECH EUROPE SARL

Street/POB-No.: Z.I. Haneboesch

Postal Code, city: 4562 Differdange  
Luxemburg

WWW: www.airtech.lu

E-mail: sales@airtech.lu

Telephone: +352-582282-1

Telefax: +352-584935

Dept. responsible for information:

Telephone: +352-582282-1, E-mail: sales@airtech.lu

**1.4 Emergency telephone number****GIZ-Nord, Germany Telephone: +49 (0)551-19240****SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Directive 67/548/EEC or 1999/45/EC**

R10 Flammable.

Xn; R20 Harmful by inhalation.

Xi; R36/38 Irritating to eyes and skin.

**2.2 Label elements****Labelling (67/548/EEC or 1999/45/EC)**

Xn

harmful

R phrase(s):	R 10	Flammable.
	R 20	Harmful by inhalation.
	R 36/38	Irritating to eyes and skin.
S phrase(s):	S 23	Do not breathe vapours.
	S 25	Avoid contact with eyes.
	S 29/56	Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
	S 46	If swallowed, seek medical advice immediately and show this container or label.

**Special labelling**

Text for labelling: Contains Styrene

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**2.3 Other hazards**

Higher doses may lead to a narcotic effect.

**SECTION 3: Composition / information on ingredients**

3.1 Substances: not applicable

**3.2 Mixtures**

Hazardous ingredients:

Ingredient	Designation	Content	Classification
REACH 01-2119457861-32-xxxx EINECS 202-851-5 CAS 100-42-5	Styrene	14-20 %	EU: R10. Xn; R20. Xi; R36/38. CLP: Flam. Liq. 3; H226. Acute Tox. 4; H332. Skin Irrit. 2; H315. Eye Irrit. 2; H319.

**SECTION 4: First aid measures****4.1 Description of first aid measures**

General information:	Take off immediately all contaminated clothing. Wash contaminated clothing prior to re-use.
In case of inhalation:	Move victim to fresh air, put at rest and loosen restrictive clothing. Do not allow victim to become chilled. Keep victim warm. Keep airway open. In case of respiratory arrest apply artificial respiration. No mouth-to-mouth or mouth-to-nose artificial respiration. Seek medical attention.
In case of skin contact:	Immediately clean with water and soap and, if available, apply a generous amount of polyethylene glycol 400. Do not use solvents or thinners. Seek medical attention if problems persist.
After eye contact:	Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult physician.
After swallowing:	Do not induce vomiting. Rinse mouth with water. Keep victim calm and seek medical attention immediately.

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

In case of inhalation: Higher doses may lead to a narcotic effect.  
symptoms: Dizziness, headache, weakness.  
In case of ingestion:  
Irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal  
tract.

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

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

Suitable extinguishing media:

Extinguishing powder, foam, carbon dioxide, water fog

Extinguishing media which must not be used for safety reasons:

Strong water jet

**5.2 Special hazards arising from the substance or mixture**In case of fire may be liberated: nitrogen oxides (NOx), carbon monoxide and carbon  
dioxide. Toxic gases may form.

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**5.3 Advice for firefighters**

Special protective equipment for firefighters:

Wear self-contained breathing apparatus.

Additional information:

Hazchem-Code: \*3YE

Move container away or cool with water from a protected position.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Remove all sources of ignition. Provide adequate ventilation.

Do not breathe vapours. Avoid contact with skin and eyes.

Wear protective equipment. Keep away from unprotected people.

**6.2 Environmental precautions**

Do not allow to enter drains, surface waters, basements or pits.

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

Soak up with absorbent materials such as sand, siliceous earth, acid- or universal binder.

Store in special closed containers and dispose of according to ordinance. Provide adequate ventilation.

Clean using cleansing agents. Do not use solvents.

Additional information:

In case of release, notify competent authorities.

**6.4 Reference to other sections**

Refer additionally to chapter 8 and 13.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

Advices on safe handling: Keep away from heat sources, sparks and open flames. Protect from sunlight.

Do not breathe vapours. Avoid contact with skin and eyes.

Provide good ventilation and/or an exhaust system in the work area.

Precautions against fire and explosion:

Keep away from sources of ignition. - No smoking.

Take precautionary measures against static discharge.

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

Requirements for storerooms and containers:

Store in a well-ventilated and dry room at temperatures between 15 °C and 25 °C.

Keep container tightly closed.

Hints on joint storage:

Do not store together with organic peroxides.

Storage class:

3 = Flammable liquids

**7.3 Specific end use(s)**

No information available.

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**SECTION 8: Exposure controls/personal protection****8.1 Control parameters**

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
100-42-5	Styrene	Great Britain: WEL-STEL	1080 mg/m <sup>3</sup> ; 250 ppm
		Great Britain: WEL-TWA	430 mg/m <sup>3</sup> ; 100 ppm
		Ireland: 15 minutes	170 mg/m <sup>3</sup> ; 40 ppm
		Ireland: 8 hours	85 mg/m <sup>3</sup> ; 20 ppm

**8.2 Exposure controls**

Provide good ventilation and/or an exhaust system in the work area.

**Occupational exposure controls**

- Respiratory protection: Respiratory protection must be worn whenever the WEL levels have been exceeded.  
Use filter type A according to EN 14387.
- Hand protection: Protective gloves according to EN 374.  
Glove material: Fluororubber (Viton)  
Breakthrough time: >480 min.  
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
- Eye protection: Tightly sealed goggles according to EN 166. according to EN 166.
- Body protection: Wear suitable protective clothing.
- General protection and hygiene measures:  
When using do not eat, drink or smoke.  
Take off immediately all contaminated clothing.  
Wash hands before breaks and after work.  
Avoid contact with skin and eyes.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

- Appearance: Physical state: liquid (pasty)  
Colour: black
- Odour: characteristic like Styrene
- Odour threshold: no data available
- pH value: no data available
- Melting point/freezing point: no data available
- Initial boiling point and boiling range: no data available
- Flash point/flash point range: > 32 °C
- Evaporation rate: no data available
- Flammability: no data available
- Explosive properties: no data available
- Explosion limits: LEL (Lower Explosion Limit): 1.20 Vol-% (styrene)  
UEL (Upper Explosion Limit): 8.90 Vol-% (styrene)
- Vapour pressure: no data available
- Vapour density: no data available
- Density: at 20 °C: 1.6-1.8 g/cm<sup>3</sup>
- Water solubility: at 20 °C: insoluble
- Partition coefficient: n-octanol/water: no data available
- Auto-ignition temperature: no data available
- Thermal decomposition: no data available
- Viscosity, dynamic: no data available

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Explosive properties: no data available  
Oxidizing characteristics: no data available

**9.2 Other information**

Ignition temperature: 490 - 480 °C (styrene)  
Additional information: Relative vapour density at 20 °C (air=1): 3,6

**SECTION 10: Stability and reactivity****10.1 Reactivity**

Flammable liquid and vapour.

**10.2 Chemical stability**

Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**

Polymerization along with heat production.

**10.4 Conditions to avoid**

Keep away from heat. Watch for exothermic reactions with peroxides.

**10.5 Incompatible materials**

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

**10.6 Hazardous decomposition products**In case of fire may be liberated: nitrogen oxides (NO<sub>x</sub>), carbon monoxide and carbon dioxide.

Thermal decomposition: no data available

**SECTION 11: Toxicological information****11.1 Information on toxicological effects**

Acute toxicity:

LD50 Rat, oral: Styrene 5000 mg/kg

LC50 Rat, inhalative: Styrene 11.8 mg/l/4h

Toxicological effects:

Acute toxicity (oral): Lack of data.

Acute toxicity (dermal): Lack of data.

Acute toxicity (inhalative): Acute Tox. 4; H332 = Harmful if inhaled.

Skin corrosion/irritation: Skin Irrit. 2; H315 = Causes skin irritation.

Eye damage/irritation: Eye Irrit. 2; H319 = Causes serious eye irritation.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Lack of data.

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Lack of data.

Reproductive toxicity: Lack of data.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Lack of data.

Specific target organ toxicity (repeated exposure): Lack of data.

Aspiration hazard: Lack of data.

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**Symptoms**

In case of inhalation: Higher doses may lead to a narcotic effect.  
symptoms: Dizziness, headache, weakness.

In case of ingestion:

Irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract.

**General remarks**

Styrene:

Affects the central nervous system, possible disturbances from: 50 ml/m<sup>3</sup>.

**SECTION 12: Ecological information****12.1 Toxicity**

Aquatic toxicity:

Following information applies to the component Styrene:

Daphnia toxicity: EC50: 155 mg/l

Fish toxicity: LD50 96 h: 10 - 100 mg/l

**12.2. Persistence and degradability**

Further details: no data available

**12.3 Bioaccumulative potential**

Partition coefficient: n-octanol/water:

no data available

**12.4 Mobility in soil**

no data available

**12.5 Results of PBT and vPvB assessment**

no data available

**12.6 Other adverse effects**

General information:

Do not allow to penetrate into soil, waterbodies or drains.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product**

Waste key number:

08 04 09\* = Waste adhesives and sealants containing organic solvents or other dangerous substances.

MFSU = manufacture, formulation, supply and use

\* = Evidence for disposal must be provided.

Recommendation:

Incinerate as hazardous waste according to applicable local, state, and federal regulations.

**Contaminated packaging**

Waste key number:

15 01 02 = Plastic packaging or 150104 = Metallic packaging

Recommendation:

Dispose of waste according to applicable legislation.

**SECTION 14: Transport information****14.1 UN number**

ADR/RID, IMDG, IATA: 1866

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**14.2 UN proper shipping name**

ADR/RID, IMDG, IATA: UN 1866, Resin solution

**14.3 Transport hazard class(es)**ADR/RID: Class 3, Code: F1  
IMDG: Class 3, Subrisk -  
IATA: Class 3**14.4 Packing group**

ADR/RID, IMDG, IATA: II

**14.5 Environmental hazards**

Marine pollutant: No

**14.6 Special precautions for user****Land transport (ADR/RID)**Warning board: ADR/RID: Kemmler-number 33, UN number 1866  
Hazard label: 3  
Special provisions: 640C  
Limited quantities: 5 L  
EQ: E2  
Contaminated packaging - Instructions: P001  
Contaminated packaging - Special provisions: PP1  
Special provisions for packing together: MP19  
Portable tanks - Instructions: T4  
Portable tanks - Special provisions: TP1 TP8  
Tank coding: L1.5BN  
Tunnel restriction code: D/E**Sea transport (IMDG)**EmS: F-E, S-E  
Special provisions: -  
Limited quantities: 5 L  
EQ: E2  
Contaminated packaging - Instructions: P001  
Contaminated packaging - Provisions: PP1  
IBC - Instructions: IBC02  
IBC - Provisions: -  
Tank instructions - IMO: -  
Tank instructions - UN: T4  
Tank instructions - Provisions: TP1, TP8  
Stowage and segregation: Category B.  
Properties and observations: Miscibility with water depends upon the composition.  
Segregation group: none**Air transport (IATA)**Hazard: Flamm. liquid  
EQ: E2  
Passenger Ltd.Qty.: Pack.Instr. Y341 - Max. Net Qty/Pkg. 1 L  
Passenger: Pack.Instr. 353 - Max. Net Qty/Pkg. 5 L  
Cargo: Pack.Instr. 364 - Max. Net Qty/Pkg. 60 L  
Special Provisioning: A3  
ERG: 3L**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

no data available



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**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations - Great Britain**

Hazchem-Code: •3YE

**National regulations - EC member states****Labelling of packaging with <= 125mL content**

R phrase(s):	R 10	Flammable.
	R 20	Harmful by inhalation.
	R 36/38	Irritating to eyes and skin.
S phrase(s):	S 23	Do not breathe vapours.
	S 25	Avoid contact with eyes.
	S 29/56	Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
	S 46	If swallowed, seek medical advice immediately and show this container or label.

**National regulations - USA**

Hazard rating systems:



NFPA Hazard Rating:

Health: 1 (Slight)

Fire: 2 (Moderate)

Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 1 (Slight)

Flammability: 2 (Moderate)

Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor

HEALTH	1
FLAMMABILITY	2
PHYSICAL HAZARD	0
	X

**15.2 Chemical Safety Assessment**

no data available

**SECTION 16: Other information****Further information**

Wording of the H-phrases under paragraph 2 and 3:

H226 = Flammable liquid and vapour.

H315 = Causes skin irritation.

H319 = Causes serious eye irritation.

H332 = Harmful if inhaled.

Wording of the R-phrases under paragraph 2 and 3:

R 10 = Flammable.

R 20 = Harmful by inhalation.

R 36/38 = Irritating to eyes and skin.

Reason of change: Changes in section 2: P-phrases

General revision

Date of first version: 06/02/2008

**Department issuing data sheet**

Contact person: see section 1: Dept. responsible for information



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For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

This data sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, and which additional precautions may be necessary. All health and safety information contained in this data sheet should be provided to your employees and customers. It is your responsibility to develop appropriate workplace instructions and training programmes for employees.

As the conditions and methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this product. The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. All statements or suggestions are made without warranty, expressed or implied, regarding accuracy of information, the hazards connected with the use of the product or the results to be obtained from the use thereof.

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name: Airfill 2 Cream Hardener

**1.2 Relevant identified uses of the substance or mixture and uses advised against**General use: Curing agent  
For professional use only**1.3 Details of the supplier of the safety data sheet**

Company name: AIRTECH EUROPE SARL

Street/POB-No.: Z.I. Haneboesch

Postal Code, city: 4562 Differdange  
Luxemburg

WWW: www.airtech.lu

E-mail: sales@airtech.lu

Telephone: +352-582282-1

Telefax: +352-584935

Dept. responsible for information:

Telephone: +352-582282-1, E-mail: sales@airtech.lu

**1.4 Emergency telephone number****GIZ-Nord, Germany Telephone: +49 (0)551-19240****SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Directive 67/548/EEC or 1999/45/EC**

O; R7 May cause fire.

Xi; R36 Irritating to eyes.

Sens.; R43 May cause sensitization by skin contact.

**2.2 Label elements****Labelling (67/548/EEC or 1999/45/EC)**

oxidizing

irritant

R phrase(s):

R 7 May cause fire.  
R 36 Irritating to eyes.  
R 43 May cause sensitization by skin contact.

S phrase(s):

S 37 Keep container tightly closed in a cool place.  
S 24 Avoid contact with skin.  
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S 36 Wear suitable protective clothing.**Special labelling**

Text for labelling: Contains dibenzoyl peroxide

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**2.3 Other hazards**

Hazardous, self-accelerating decomposition reaction is possible. Under certain conditions an explosion or fire may occur as a result of direct contact with incompatible substances or through thermal decomposition.

**SECTION 3: Composition / information on ingredients**

3.1 Substances: not applicable

**3.2 Mixtures**

Chemical characterization: Dibenzoyl peroxide in plasticizer

Hazardous ingredients:

Ingredient	Designation	Content	Classification
EINECS 202-327-6 CAS 94-36-0	Dibenzoyl peroxide	< 50 %	EU: E; R3. O; R7. Xi; R36. Sens.; R43. CLP: Org. Perox. B; H241. Eye Irrit. 2; H319. Skin Sens. 1; H317.

**SECTION 4: First aid measures****4.1 Description of first aid measures**

General information:	In case of accident or if you feel unwell, seek medical advice immediately. Seek medical assistance when anyone has symptoms apparently due to inhalation, swallowing or contact with skin or eyes.
In case of inhalation:	Move victim to fresh air. Seek medical attention.
In case of skin contact:	After contact with skin, wash immediately with soap and plenty of water. Change contaminated clothing. In case of skin irritation, consult a physician.
After eye contact:	Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.
After swallowing:	Never give anything by mouth to an unconscious person. Rinse mouth immediately and drink plenty of water. Induce vomiting. Immediately get medical attention.

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

In case of inhalation: irritant  
After contact with skin: mild irritant

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

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

Suitable extinguishing media:

Water fog, foam, extinguishing powder, carbon dioxide

Extinguishing media which must not be used for safety reasons:

strong water jet

**5.2 Special hazards arising from the substance or mixture**

Combustible.  
Heating may cause a fire.  
May form dangerous gases and vapours in case of fire.  
In case of fire may be liberated: Carbon monoxide and carbon dioxide

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**5.3 Advice for firefighters**

Special protective equipment for firefighters:

Wear self-contained breathing apparatus.

Wear protective equipment.

Additional information:

Hazchem-Code: 1W

Cool endangered containers with water spray and, if possible, remove from danger zone.  
In case of fire and/or explosion do not breathe fumes. Use water spray jet to knock down vapours.

Do not allow fire water to penetrate into surface or ground water.

Prevent subsequent re-ignition with abundant quantities of water.

Product enhances combustion.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Remove all sources of ignition.

Avoid contact with skin, eyes, and clothing. Do not inhale substance. Wear protective equipment.

Keep away from unprotected people. Ensure adequate ventilation, especially in confined areas.

**6.2 Environmental precautions**

Do not allow to penetrate into soil, waterbodies or drains.

If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

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

Soak up with absorbent materials such as sand, siliceus earth, acid- or universal binder.

Store in special closed containers and dispose of according to ordinance.

Thoroughly clean the contaminated area with water.

Additional information:

Remove all sources of ignition.

Use explosion-proof equipment and non-sparking tools/utensils.

**6.4 Reference to other sections**

Refer additionally to chapter 8 and 13.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

Advices on safe handling:

Avoid contact with skin, eyes, and clothing. Do not inhale substance.

Wear protective equipment. Do not weigh in storerooms. Provide adequate ventilation.

Do not mix with peroxide activators and reducing agents.

During the processing the peroxide and the accelerator have to be weight out separately and added.

Avoid shock and friction. When using do not eat, drink or smoke.

Precautions against fire and explosion:

Keep away from sources of ignition. - No smoking.

Use only explosion-proof equipment.

Take precautionary measures against static discharge.

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

Requirements for storerooms and containers:

Store in a well-ventilated and dry room at temperatures between 15 °C and 25 °C.

Protect from heat and direct sunlight.

Store carefully closed containers upright to prevent any leaks.

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Hints on joint storage: Keep away from amines, acids, basic agents, heavy metals (e.g. from accelerating agents and drying materials).  
Keep away from food, drink and animal feeding stuffs.

Further details: Use shoes with conductive sole.

Storage class: 5.2 = Organic peroxides and self-reactive substances

**7.3 Specific end use(s)**

No information available.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters**

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
94-36-0	Dibenzoyl peroxide	Great Britain: WEL-TWA Ireland: 8 hours	5 mg/m <sup>3</sup> 5 mg/m <sup>3</sup>

**8.2 Exposure controls**

Make sure that the processing machines are well equipped with suction and ventilation systems. Use only explosion-proof equipment. Use only spark proof tools. Use only stainless steel to DIN 1.4751 specifications, or PVC, polyethylene or glass surfaced apparatuses.

**Occupational exposure controls**

Respiratory protection: Respiratory protection must be worn whenever the WEL levels have been exceeded. Use filter type A-P2 according to EN 14387.

Hand protection: Protective gloves according to EN 374.  
Glove material: polyethylene or PVC.  
Breakthrough time: >480 min.  
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to EN 166. according to EN 166.

Body protection: Wear closed work clothing.  
Use shoes with conductive sole.

General protection and hygiene measures:  
Avoid contact with skin and eyes. Change contaminated clothing.  
Do not inhale substance. Wear protective equipment.  
Wash hands before breaks and after work.  
Keep away from sources of ignition. - No smoking.  
Keep away from food and drink.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Appearance: Physical state: paste, thixotropic  
Colour: white or red

Odour: odourless

Odour threshold: no data available

pH value: no data available

Melting point/freezing point: no data available

Initial boiling point and boiling range: no data available

Flash point/flash point range: > 84 °C

Evaporation rate: no data available

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Flammability:	no data available
Explosive properties:	no data available
Explosion limits:	no data available
	no data available
Vapour pressure:	no data available
Vapour density:	no data available
Density:	at 20 °C: 1.2 g/cm <sup>3</sup>
Water solubility:	insoluble
Partition coefficient: n-octanol/water:	no data available
Auto-ignition temperature:	no data available
Thermal decomposition:	no data available
Viscosity, dynamic:	no data available
Explosive properties:	no data available
Oxidizing characteristics:	no data available

**9.2 Other information**

Additional information: no data available

**SECTION 10: Stability and reactivity****10.1 Reactivity**

At 60 °C: Danger of a hazardous self-accelerating decomposing reaction. Heating may cause a fire. Can explode if overheated.

**10.2 Chemical stability**

Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**

Hazardous, self-accelerating decomposition reaction is possible. Under certain conditions an explosion or fire may occur as a result of direct contact with incompatible substances or through thermal decomposition.  
Critical temperature approx. 60°C

**10.4 Conditions to avoid**

heating, Avoid shock and friction.

**10.5 Incompatible materials**

Violent reactions may be expected with contact with acids, lyes, heavy metals and reducing agents. Avoid contact with rust. Do not mix with peroxide accelerants. Do not mix with reducing agents. It may generate flammable gases on contact with nitrides. It may generate toxic gases on contact with aliphatic and aromatic amines, carbamates, dithiocarbamates, mercaptans and other organic sulphides, nitriles, inorganic sulphides, and combustible and inflammable materials. It may catch fire on contact with alcohols and glycols, azo, diazo and hydrazines compounds, carbamates, dithiocarbamates, mercaptans and other organic sulphides, nitrides, and combustible and inflammable materials.

**10.6 Hazardous decomposition products**

Carbon monoxide and carbon dioxide  
Thermal decomposition: no data available

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity:

LD50 Rat, oral: &gt; 5000 mg/kg

Toxicological effects:

Acute toxicity (oral): Lack of data.

Acute toxicity (dermal): Lack of data.

Acute toxicity (inhalative): Lack of data.

Skin corrosion/irritation: Lack of data.

Eye damage/irritation: Eye Irrit. 2; H319 = Causes serious eye irritation.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Skin Sens. 1; H317 = May cause an allergic skin reaction.

Germ cell mutagenicity/Genotoxicity: Based on available data, the classification criteria are not met.

In-vitro:

Bacterial mutagenicity: negative

Carcinogenicity: Lack of data.

Reproductive toxicity: Lack of data.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Lack of data.

Specific target organ toxicity (repeated exposure): Lack of data.

Aspiration hazard: Lack of data.

### Symptoms

In case of inhalation: irritant

After contact with skin: mild irritant

## SECTION 12: Ecological information

### 12.1 Toxicity

Aquatic toxicity:

Following information applies to the component 78% dibenzoyl peroxide in water:

Algae toxicity:

EC50: 0.83 mg/L

Daphnia toxicity:

LC50 Daphnia magna (Big water flea): 2,9 mg/L/48 h.

Fish toxicity:

LC50 Poecilia reticulata: 2.0 mg/L/96 h

NOEC Poecilia reticulata: 0.7 mg/L/96 h.

### 12.2. Persistence and degradability

Further details:

Product is readily biodegradable. (closed bottle test)

Effects in sewage plants:

Technically correct releases of minimal concentrations to adapted biological sewage treatment facility, will not disturb the biodegradability of activated sludge.

### 12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:

no data available

### 12.4 Mobility in soil

no data available



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**12.5 Results of PBT and vPvB assessment**

no data available

**12.6 Other adverse effects**

General information: Do not allow to penetrate into soil, waterbodies or drains.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product**Waste key number: 16 09 03\* = peroxides, e.g. hydrogen peroxide  
\* = Evidence for disposal must be provided.

Recommendation: Incinerate as hazardous waste according to applicable local, state, and federal regulations.

**Contaminated packaging**Recommendation: Dispose of waste according to applicable legislation.  
Handle contaminated packages in the same way as the substance itself.**SECTION 14: Transport information****14.1 UN number**

ADR/RID, IMDG, IATA: 3108

**14.2 UN proper shipping name**

ADR/RID, IMDG, IATA: UN 3108, ORGANIC PEROXIDE TYPE E, SOLID (Dibenzoyl peroxide)

**14.3 Transport hazard class(es)**ADR/RID: Class 5.2, Code: P1  
IMDG: Class 5.2, Subrisk -  
IATA: Class 5.2**14.4 Packing group**ADR/RID, ADN, IATA: not applicable  
IMDG: -**14.5 Environmental hazards**

Marine pollutant: No

**14.6 Special precautions for user****Land transport (ADR/RID)**Warning board: ADR: UN number 3108  
RID: Kemmler-number 539, UN number 3108  
Hazard label: 5.2  
Special provisions: 122 274  
Limited quantities: 500 g  
EQ: E0  
Contaminated packaging - Instructions: P520  
Special provisions for packing together: MP4  
Tunnel restriction code: D

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**Sea transport (IMDG)**

EmS:	F-J, S-R
Special provisions:	122, 274
Limited quantities:	500 g
EQ:	E0
Contaminated packaging - Instructions:	P520
Contaminated packaging - Provisions:	-
IBC - Instructions:	-
IBC - Provisions:	-
Tank instructions - IMO:	-
Tank instructions - UN:	-
Tank instructions - Provisions:	-
Stowage and segregation:	Category D. Protected from sources of heat. "Separated from" acids and alkalis.
Properties and observations:	Decomposes at elevated temperatures or in a fire. Burns vigorously. Insoluble in water. Contact with the eyes and skin should be avoided. May evolve irritant or toxic fumes.
Segregation group:	none

**Air transport (IATA)**

Hazard:	Organic peroxide
EQ:	E0
Passenger Ltd.Qty.:	Forbidden
Passenger:	Pack.Instr. 570 - Max. Net Qty/Pkg. 10 kg
Cargo:	Pack.Instr. 570 - Max. Net Qty/Pkg. 25 kg
Special Provisioning:	A20 A802
ERG:	5L

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

no data available

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations - Great Britain**

Hazchem-Code: 1W

**National regulations - EC member states****Labelling of packaging with <= 125mL content**

R phrase(s):	R 7	May cause fire.
	R 36	Irritating to eyes.
	R 43	May cause sensitization by skin contact.
S phrase(s):	S 3/7	Keep container tightly closed in a cool place.
	S 24	Avoid contact with skin.
	S 26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S 36	Wear suitable protective clothing.

**Airfill 2 Cream Hardener**

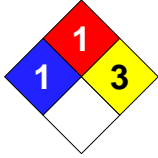
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**National regulations - USA**

Hazard rating systems:



NFPA Hazard Rating:

Health: 1 (Slight)

Fire: 1 (Slight)

Reactivity: 3 (Serious)

HMIS Version III Rating:

Health: 1 (Slight)

Flammability: 1 (Slight)

Physical Hazard: 3 (Serious)

Personal Protection: X = Consult your supervisor

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	3
	X

**15.2 Chemical Safety Assessment**

no data available

**SECTION 16: Other information****Further information**

Wording of the H-phrases under paragraph 2 and 3:

H241 = Heating may cause a fire or explosion.

H242 = Heating may cause a fire.

H317 = May cause an allergic skin reaction.

H319 = Causes serious eye irritation.

Wording of the R-phrases under paragraph 2 and 3:

R 3 = Extreme risk of explosion by shock, friction, fire or other sources of ignition.

R 7 = May cause fire.

R 36 = Irritating to eyes.

R 43 = May cause sensitization by skin contact.

Reason of change:

Changes in section 2: GHS classification, labelling, P-phrases

General revision

Date of first version:

06/02/2008

**Department issuing data sheet**

Contact person:

see section 1: Dept. responsible for information

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

This data sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, and which additional precautions may be necessary. All health and safety information contained in this data sheet should be provided to your employees and customers. It is your responsibility to develop appropriate workplace instructions and training programmes for employees.

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