

Revision nr.8 Dated 09/05/2011 Printed on 11/05/2011 Page n. 1 / 6 EN

# Safety Data Sheet

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## 2. Hazards identification.

## 2.1. Classification of the substance or mixture.

The product is classified as hazardous pursuant to the provisions set forth in Directives 67/548/EEC and 1999/45/EC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Danger Symbols:	O-Xi
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R phrases:	7-36-43

The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet.

## 2.2. Label elements.

R 7

Hazard labelling pursuant to Directives 67/548/EEC and 1999/45/EC and subsequent amendments and supplements.



MAY CAUSE FIRE.



IRRITATING TO EYES.
MAY CAUSE SENSITIZATION BY SKIN CONTACT.
KEEP OUT OF THE REACH OF CHILDREN.
KEEP CONTAINER TIGHTLY CLOSED.
KEEP AWAY FROM ACID, BASIC, PEROXIDE, AMINES.
WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.
IF SWALLOWED, SEEK MEDICAL ADVICE IMMEDIATELY AND SHOW THIS CONTAINER OR LABEL.



FN

Contains: BENZOYL PEROXIDE

#### 2.3. Other hazards.

Information not available.

#### 3. Composition/information on ingredients.

Information not relevant.

### 3.2. Mixtures.

Contains:

Identification.

BENZOYL PEROXIDE CAS. 94-36-0

#### EC. 202-327-6 INDEX. 617-008-00-0

Org. Perox B H241, Eye Irrit. 2 H319, Skin Sens. 1 H317, Note T

Classification 1272/2008 (CLP).

T+ = Very Toxic(T+), T = Toxic(T), Xn = Harmful(Xn), C = Corrosive(C), Xi = Irritant(Xi), O = Oxidizing(O), E = Explosive(E), F+ = Extremely Flammable(F+), F = Highly Flammable(F), N = Dangerous for the Environment(N)

The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet.

Classification 67/548/EEC.

E R 2, Xi R36, Xi R43

#### 4. First aid measures.

#### 4.1. Description of first aid measures.

No harm to the staff authorised to use has been reported. However, in case of contact, inhalation or ingestion, the following general measures provided for a first aid shall be taken.

INHALATION: remove to open air. If respiration is difficult, administer artificial respiration and seek medical advice.

INGESTION: seek medical attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person.

EYES and SKIN: wash with plenty of water; if the irritation persists, seek medical advice.

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

Conc. %.

50 - 100

No episodes of damage to health ascribable to the product have been reported.

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

Follow doctor's orders.

### 5. Firefighting measures.

#### 5.1. Extinguishing media.

SUITABLE EXTINGUISHING MEDIA

The extinction equipment should be of the conventional kind: carbon dioxide, foam, powder and nebulised water. EXTINGUISHING MEDIA WHICH SHALL NOT BE USED FOR SAFETY REASONS None in particular.

### 5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Do not breathe combustion products (carbon oxide, toxic pyrolysis products, etc).

#### 5.3. Advice for firefighters.

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

## SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Hardhat with visor, fireproof clothing (fireproof jacket and trousers with straps around arms, legs and waist), work gloves (fireproof, cut proof and dielectric), a depressurised mask with facemask covering the whole of the operator's face or a self-respirator (self-protector) in the event of large quantities of fume.



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#### 6. Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures. Use breathing equipment if fumes or powders are released into the air.

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## 6.2. Environmental precautions.

The product must not penetrate the sewers, surface water, ground water and neighbouring areas.

### 6.3. Methods and material for containment and cleaning up.

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

#### 6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

#### 7. Handling and storage.

#### 7.1. Precautions for safe handling.

Avoid bunching of electrostatic charges.

Do not smoke. Do not spray on flames or sparks. Vapours may catch fire and an explosion may occur; vapours accumulation is therefore to be avoided by leaving windows and doors open and ensuring a good ventilation (draught). Without adequate ventilation, vapours may accumulate on the floor (low layers) and catch fire even at a distance, if ignited, with the danger of backfire.

#### 7.2. Conditions for safe storage, including any incompatibilities.

Store in a place where adequate ventilation is ensured, away from direct sunlight at a temperature below 50 °C, far from any combustion sources.

### 7.3. Specific end use(s).

Information not available.

## 8. Exposure controls/personal protection.

## 8.1. Control parameters.

Information not available.

#### 8.2. Exposure controls.

As the use of adequate technical equipment must always take priority over personal protection equipment, make sure that the workplace is well aired through effective local aspiration or bad air vent. If such operations do not make it possible to keep the concentration of the product below the permitted workplace exposure thresholds a suitable respiratory tract protection must be used. See product label for hazard details during use. Ask your chemical substance suppliers for advice when choosing personal protection equipment. Personal protection equipment must comply with the rules in force indicated below.

#### HAND PROTECTION

Protect hands with category II (ref. Directive 89/686/EEC and standard EN 374) work gloves, such as those in PVC, neoprene, nitryl or equivalent. The following should be considered when choosing work glove material: degradation, breakage times and permeation. Work glove resistance to preparations should be checked before use, as it can be unpredictable. Gloves' limit depends on the duration of exposure.

#### EYE PROTECTION

Wear protective airtight goggles (ref. standard EN 166).

### SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (ref. Directive 89/686/CEE and standard EN 344). Wash body with soap and water after removing overalls.

#### RESPIRATORY PROTECTION

If the threshold value for one or more of the substances present in the preparation for daily exposure in the workplace or to a fraction established by the company's prevention and protection service is exceeded, wear a mask with an B or universal filter, the class (1, 2 or 3) of which must be chosen according to the limit concentration of use (ref. standard EN 141).

The use of breathing protection equipment, such as masks with organic vapour and dust/mist cartridges, is necessary in the absence of technical measures limiting worker exposure. The protection provided by masks is in any case limited.

If the substance in question is odourless or its olfactory threshold is higher than the relative exposure limit and in the event of an emergency, or when exposure levels are unknown or the concentration of oxygen in the workplace is less than 17% volume, wear self-contained, open-circuit compressed air breathing apparatus (ref. standard EN 137) or fresh air hose breathing apparatus for use with full face mask, half mask or mouthpiece (ref. standard EN 138).

An emergency eye washing and shower system must be provided.



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## 9. Physical and chemical properties.

9.1. Information on basic physical and	chemical properties.
Appearance	pasty
Colour	white

Colour	white
Odour	typical
Odour threshold.	Not available.
pH.	Not available.
Melting or freezing point.	Not available.
Boiling point.	Not available.
Distillation range.	Not available.
Flash point.	Not available.
Evaporation Rate	Not available.
Flammability of solids and gases	Not available.
Lower inflammability limit.	Not available.
Upper inflammability limit.	Not available.
Lower explosive limit.	Not available.
Upper explosive limit.	Not available.
Vapour pressure.	Not available.
Vapour density	Not available.
Specific gravity.	1,1 Kg/l
Solubility	insoluble in water
Partition coefficient: n-octanol/water	Not available.
Ignition temperature.	999 °C.
Decomposition temperature.	Not available.
Viscosity	Not available.
Reactive Properties	SI
0.2. Other information.	
VOC (Directive 1999/13/EC) :	0

#### 9 VOC (Directive 1999/13/EC)

VOC (volatile carbon) :

## 10. Stability and reactivity.

#### 10.1. Reactivity.

Above a certain temperature, called SADT (Self Acceleration Decomposition Temperature), the product may generate explosive peroxides.

#### 10.2. Chemical stability.

See previous paragraph.

10.3. Possibility of hazardous reactions. See paragraph 10.1.

10.4. Conditions to avoid.

As the product decomposes even at ambient temperature, it must be stored and used at a controlled temperature. Avoid violent blows.

#### 10.5. Incompatible materials.

Information not available.

### 10.6. Hazardous decomposition products.

Thermal decomposition can lead to the formation of explosive peroxides or other potentially hazardous substances.

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### 11. Toxicological information.

#### 11.1. Information on toxicological effects.

Acute effects: stinging eyes. Symptoms may include: rubescence, edema, pain and lachrymation. Vapour inhalation may moderately irritate the upper respiratory trait. Contact with skin may cause slight irritation. Ingestion may cause health problems, including stomach pain and sting, nausea and sickness.

Upon contact with skin, this product causes sensitization (dermatitis). Dermatitis derives from skin irritation on the areas which repeatedly come into contact with the sensitizing agent. Cutaneous lesions may include: erythemas, edemas, papules, vesicles, pustules, scurvies, ulcerations and exudative phenomena, whose intensity varies according to illness seriousness and affected areas. Erythemas, edemas and exudative phenomena prevail during the acute phase. Scurfy skin, dryness, ulcerations and skin thickening prevail during the chronic phase.

#### 12. Ecological information.

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.



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# 12.1. Toxicity.

Information not available.

- **12.2. Persistence and degradability.** Information not available.
- **12.3. Bioaccumulative potential.** Information not available.
- **12.4. Mobility in soil.** Information not available.
- **12.5. Results of PBT and vPvB assessment.** Information not available.
- **12.6. Other adverse effects.** Information not available.

## 13. Disposal considerations.

#### 13.1. Waste treatment methods.

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

### 14. Transport information.

These goods must be transported by vehicles authorized to the carriage of dangerous goods according to the provisions set out in the current edition of the Code of International Carriage of Dangerous Goods by Road (ADR) and in all the applicable national regulations. These goods must be packed in their original packagings or in packagings made of materials resistant to their content and not reacting dangerously with it. People loading and unloading dangerous goods must be trained on all the risks deriving from these substances and on all actions that must be taken in case of emergency situations.

#### Road and rail transport:

ADR/RID Class:	5.2 UN: 3108
Label:	5.2
Limited Quantity.	LQ11
Tunnel restriction code.	D
Proner Shinning Name:	organic peroxide type E solid (dibenzov) peroxide)
Proper Shipping Name:	organic peroxide type E solid (dibenzoyl peroxide)

#### Carriage by sea (shipping):

and a start

#### Transport by air:

IATA:	5.2	UN:	3108
Label:	5.2		
Proper Shipping Name:	ORGA	NIC PEROXIDE	TYPE E, SOLID (DIBENZOYL PEROXIDE)

### 15. Regulatory information.

eso category.	-	3	
0	the product or contain	ed substances pursuant to Annex XVII to E	EC Regulation 1907/2006.
roduct. Point.	3		



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Substances subject to authorisarion (Annex XIV REACH).

None.

Healthcare controls.

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

#### 15.2. Chemical safety assessment.

No chemical safety assessment has been processed for the mixture and the substances it contains.

## 16. Other information.

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Org. Perox B	Organic peroxide, category B
Eye Irrit. 2	Eye irritation, category 2
Skin Sens. 1	Respiratory / skin sensitization, category 1
H241	Heating may cause a fire or explosion.
H319	Causes serious eye irritation.
H317	May cause an allergic skin reaction.

Text of risk (R) phrases mentioned in section 2-3 of the sheet:

R 2	RISK OF EXPLOSION BY SHOCK, FRICTION, FIRE OR OTHER SOURCES OF IGNITION.
R 7	MAY CAUSE FIRE.
R36	IRRITATING TO EYES.
R43	MAY CAUSE SENSITIZATION BY SKIN CONTACT.

#### GENERAL BIBLIOGRAPHY

- 1. Directive 1999/45/EC and following amendments
- 2. Directive 67/548/EEC and following amendments and adjustments
- 3. Regulation (EC) 1907/2006 (REACH) of the European Parliament
- 4. Regulation (EC) 1272/2008 (CLP) of the European Parliament
- 5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
- 6. Regulation (EC) 453/2010 of the European Parliament
- 7. The Merck Index. 10th Edition
- 8. Handling Chemical Safety
- 9. Niosh Registry of Toxic Effects of Chemical Substances
- 10. INRS Fiche Toxicologique (toxicological sheet)
- 11. Patty Industrial Hygiene and Toxicology
- 12. N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product .

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Changes to previous review: The following sections were modified:

01.