

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 17.04.2009

Revision: 17.04.2009

1 Identification of the substance/preparation and of the company/undertaking

· **Product details**

- **Trade name:** Dinitrol 6064 BP Härter für Spachtel
- **Application of the substance / the preparation** Hardening agent/ Curing agent
- **Manufacturer/Supplier:** EFTEC Aftermarket GmbH Pyrmonterstr. 76 D-32676 Lügde
- **Further information obtainable from:**
 Tel. +49(0)5281 98298 0, FAX +49(0)5281 98298 60
 Hans.Pfau@eftec.de
 E-Mail: hans.pfau@eftec.de
- **Information in case of emergency:** +49(0)30 19240 Beratungsstelle für Vergiftungserscheinungen, D-Berlin

2 Hazards identification

· **Hazard description:**

Xi Irritant
 O Oxidising

· **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

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

· **Classification system:**




The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

· **Chemical characterization**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 94-36-0 EINECS: 202-327-6	dibenzoyl peroxide	 Xi,  E,  O; R 3-7-36-43	25-50%
CAS: 5444-75-7 EINECS: 226-641-8	2-Ethylhexylbenzoat	R 53	10-25%

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First-aid measures

· **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

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· **After swallowing:** Rinse out mouth and then drink plenty of water.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards caused by the substance, its products of combustion or resulting gases:** Carbon monoxide (CO)
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information:** Cool endangered receptacles with water spray.

6 Accidental release measures

- **Person-related safety precautions:** Keep away from ignition sources.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:** Send for recovery or disposal in suitable receptacles.
- **Additional information:** See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** No special measures required.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:**
Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Maximum storage temperature:** < 50 °C
- **Storage class:** 5.2

8 Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **Ingredients with limit values that require monitoring at the workplace:**

94-36-0 dibenzoyl peroxide

WEL	Long-term value: 5 mg/m ³
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· **Additional information:** The lists valid during the making were used as basis.

- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.
- **Respiratory protection:** Not required.

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· **Protection of hands:**



Protective gloves

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:**

PVC gloves

· **For the permanent contact gloves made of the following materials are suitable: PVC gloves**

· **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**

PVC gloves

· **As protection from splashes gloves made of the following materials are suitable: PVC gloves**

· **Not suitable are gloves made of the following materials: Strong material gloves**

· **Eye protection:**



Tightly sealed goggles

· **Body protection: Protective work clothing**

9 Physical and chemical properties

· **General Information**

Form:	Pasty
Colour:	Red
Odour:	Characteristic

· **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

· **Flash point:** Not applicable.

· **Flammability (solid, gaseous):** May cause fire.

· **Ignition temperature:** 400°C

· **Decomposition temperature:** >60 °C

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** -----

· **Explosion limits:**

Lower: 0.9 Vol %

· **Vapour pressure at 20°C:** 27.4 hPa

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· Density at 20°C:	1.25 g/cm ³
· Solubility in / Miscibility with water:	Insoluble.
· Viscosity: Dynamic at 20°C:	20000 mPas
· Solvent content: Organic solvents: Water:	0.0 % 17.3 %
· Solids content:	50.1 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** To avoid thermal decomposition do not overheat.
- **Dangerous reactions** Reacts with acids, alkalis and oxidizing agents.
- **Dangerous decomposition products:** Carbon dioxide

11 Toxicological information

- **Acute toxicity:**
- **Specific symptoms in biological assay:**
The following is based on available information for the ingredients. The product has not been tested on animals.
- **Primary irritant effect:**
- **on the skin:** Prolonged or repeated contact with skin may cause slight irritation and/or reddening.
- **on the eye:** Irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Irritant
- **Sensitisation** May cause sensitisation by skin contact.

12 Ecological information

- **Information about elimination (persistence and degradability):**
- **Other information:** There is no data available for the product.
- **Ecotoxicological effects:**
- **Remark:** There is no data available for the product.
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

- **Product:**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

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· **European waste catalogue**

16 00 00	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 09 00	oxidising substances
16 09 03	peroxides, for example hydrogen peroxide

· **Uncleaned packaging:**· **Recommendation:** Disposal must be made according to official regulations.* **14 Transport information**· **Land transport ADR/RID (cross-border)**

· **ADR/RID class:** 5.2 (8B) Organic peroxides.
 · **UN-Number:** 3108
 · **Packaging group:** II
 · **Hazard label** 5,2
 · **Description of goods:** 3108 ORGANIC PEROXIDE TYPE E, SOLID

· **Maritime transport IMDG:**

· **IMDG Class:** 5.2
 · **UN Number:** 3108
 · **Label** 5,2
 · **Packaging group:** II
 · **EMS Number:** F-J,S-R
 · **Marine pollutant:** No
 · **Proper shipping name:** ORGANIC PEROXIDE TYPE E, SOLID

· **Air transport ICAO-TI and IATA-DGR:**

· **ICAO/IATA Class:** 5.2
 · **UN/ID Number:** 3108
 · **Label** 5,2
 · **Packaging group:** II
 · **Proper shipping name:** ORGANIC PEROXIDE TYPE E, SOLID

* **15 Regulatory information**· **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

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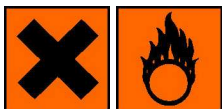
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· **Code letter and hazard designation of product:**

Xi Irritant
O Oxidising

· **Hazard-determining components of labelling:**

dibenzoyl peroxide

· **Risk phrases:**

- 7 May cause fire.
- 36 Irritating to eyes.
- 43 May cause sensitisation by skin contact.

· **Safety phrases:**

- 3/7 Keep container tightly closed in a cool place.
- 14 Keep away from reducing agents, heavy metal compounds, acids and alkalis.
- 24 Avoid contact with skin.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 37/39 Wear suitable gloves and eye/face protection.
- 60 This material and its container must be disposed of as hazardous waste.

· **National regulations:**

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

· **Technical instructions (air):**

Class	Share in %
Wasser	10-25
NK	25-50

· **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant R-phrases**

- 3 Extreme risk of explosion by shock, friction, fire or other sources of ignition.
- 36 Irritating to eyes.
- 43 May cause sensitisation by skin contact.
- 53 May cause long-term adverse effects in the aquatic environment.
- 7 May cause fire.

· **Department issuing MSDS:** Entwicklung

· **Contact:** H. Pfau

· *** Data compared to the previous version altered.**