

# AUTOMOTIVE BODYFILLERS LIMITED

Manufacturers of the STEVENS™ Range of Products

Unit 4, Millbuck way, Springvale Industrial Estate, Sandbach, Cheshire, CW11 3HT

Telephone: (01270) 766685 Fax: (01270) 766685

## Product Safety Data Sheet

### **DIBENZOYL PEROXIDE, 50% PASTE WITH DIISOBUTYL PHTHALATE**

#### **1. Identification of the substance.**

**Product label name:** Dibenzoyl peroxide, 50% paste with diisobutyl phthalate

#### **2.COMPOSITION/INFORMATION ON INGREDIENTS**

This product is to be considered as a preparation in conformance to EC directives.

**Chemical description** Dibenzoyl peroxide, 50% paste with diisobutyl phthalate

#### **Composition/information on ingredients**

**Number% w/wCAS-numberChemical name**

150.094-36-0Dibenzoyl peroxide

227.084-69-5Diisobutyl phthalate

**NumberEEC-numberAnnex-1 numberSymbol(s)Risk phrase(s)**

12023276617-008-00-0E XiR2 R36 R43 R7

22015532nonenone

**Other information**Balance: non-hazardous ingredients.

#### **3. HAZARDS IDENTIFICATION**

May cause fire.

Irritating to eyes.

May cause sensitisation by skin contact.

#### **4. FIRST AID MEASURES**

**Symptoms** Irritating to eyes. May cause sensitisation by skin contact.

**and effects**

#### **FIRST AID**

**General**In all cases of doubt, or when symptoms persist, seek medical attention.

**Inhalation**Move to fresh air, rest, half upright position, loosen clothing. Seek medical advice after significant exposure.

**Skin**Remove contaminated clothing, wash with soap and copious amounts of water. In case of skin eruption seek medical advice.

**Eye**Rinse thoroughly with plenty of water. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek medical advice if irritation develops.

**Ingestion**DO NOT induce vomiting because of risk of aspiration. Seek medical advice.

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**Advice to physician.**No additional information available.

## **5. FIRE-FIGHTING MEASURES**

**Extinguishing media**Waterspray, foam, fire-extinguishing powder, carbon dioxide. Extinguish a small fire with powder or carbon dioxide then apply water to prevent re-ignition.

**Unsuitable extinguishing media**Halones

**Special exposure** If involved in a fire, it will support combustion. In case of fire and/or **hazard**explosion do not breathe fumes.

**Hazardous decomposition/combustion products**not determined

**Protective equipment**Wear suitable protective clothing.

**Other information**Cool closed containers with water.

## **6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions**For personal protection see Section 8.

**Environmental precautions**Collect as much as possible in a clean container for (preferable) reuse or disposal. Do not empty into drains.

**Methods for cleaning up**Sweep up with dustpan and brush off inert material, flushing the remainder with water. Absorb the remainder with e.g. vermiculite.

## **7. HANDLING AND STORAGE**

**Handling**Never weigh out in the storage room. Keep product and emptied container away from heat and sources of ignition. No sparking tools should be used. Never bring peroxide into direct contact with accelerator during processing. Weigh out and add peroxide and accelerator separately.

**Fire and explosion prevention** Use explosion protected equipment. Keep away from sources of ignition. No smoking.

**Storage requirements**Keep away from reducing agents (e.g. amines), acids, alkalis and heavy metal compounds (e.g. accelerators, driers, metal soaps). Store in accordance with local/national regulations. Store in a dry, well-ventilated place away from sources of heat and direct sunlight. Do not mix with peroxide accelerators, Do not mix with reducing agents. Keep container tightly closed in a cool, well-ventilated place. Keep container upright to prevent leakage.

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**Other information** When using do not eat, drink or smoke. Wash thoroughly after handling. Keep working clothes separate and do not take them home.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering controls** Explosion proof ventilation recommended

**Exposure limits** Dibenzoyl peroxide MEL-TWA 5.0 mg/m<sup>3</sup>

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** Smooth, unctuous paste. **Density** 1150-1170 kg/m (20 C)

**Colour** Bulk density not determined

**Odour** Faint **Solubility in water** Insoluble

**Boiling point/range** Do not distil (Decomposes) **Solubility in other solvents**

**Melting point/range** -10 C **pH values** lightly Acidic character

**Flash point** Above the SADT value **Partition coefficient** not determined  
**n-octanol/water**

**Flammability** not determined **Relative vapour density** not determined  
(air = 1)

**Autoignition temperature** > 380 C **Viscosity** thixotropic paste

**Explosive properties** no **Active oxygen content** 3.24-3.37%

**Explosion limits** not applicable **Peroxide content** 49.0-51.0%

**Oxidising properties** not applicable **SADT** 50 C. See also Section 10:  
Other information.

**Vapour pressure** not determined **Specific conductivity** not determined.

## 10. STABILITY AND REACTIVITY

**Stability** A dangerous self-accelerating decomposition reaction and, under certain circumstances, explosion or fire can be caused by direct contact with incompatible substances or by thermal decomposition at and above the following temperature: +50 C.

**Conditions to avoid** Violent reactions may be expected with acid, alkali, heavy metals and reducing agents. Avoid contact with rust. Do not mix with peroxide accelerators. Do not mix with reducing agents.

**Materials to avoid** Use only Stainless steel 316, PVC, polyethylene or glass-lined equipment.

**Hazardous decomposition** not determined

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## products

**Other information** The SADT (self accelerating decomposition temperature) is an experimentally derived temperature at which the product in a typical package will undergo self accelerating decomposition.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

**Oral**rat:> 5000 mg/kg

**Inhalation**rat:> 24.3 mg/l

### Irritation

**Skin**Non-irritating (4 hours exposure time)

**Eyes**Mildly irritating ( 5 min exposure time); Moderately irritating

**Genotoxicity**Ames test: not mutagenic

### Other toxicological information

## 12. ECOLOGICAL INFORMATION

**Name**Based on: Dibenzoyl peroxide 78%

### Ecotoxicity

**fish**Acute toxicity, 96h LC50 = 2.0 mg/l. (Poecilia reticulata.)

**bacteria**Activated sludge respiration inhibition test EC50 = 35 mg/l.

### Fate

**Degradation Biotic**Readily biodegradable (Closed bottle test)

## 13. DISPOSAL CONSIDERATIONS

**Product**Probably in controlled incineration but according to local regulations.

Sweep up with dustpan and brush off inert material, flushing the remainder with water. Absorb the remainder with e.g. vermiculite.

**Contaminated**Collect for recycling or most probably controlled incineration.

### packaging

**Other information**Dilute before burning with organic solvents. Controlled incineration according to local regulations is always preferred. If not possible burn in small portions on a remote place, using a torch with a long rod to ignite the material.

## 14 Transport Information

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## Land Transport

ADR class 5.2      ADR item number 8b

R36. Irritating to eyes.

R43. May cause some sensitisation by skin contact.

RID class 5.2      RID item number 8b

Hazard Identification No.      Substance Identification No.      Symbol(s)

## R(isk) phrases(s)

R7. May cause fire.

## Sea Transport

IMO/IMDG code page 5228

Class 5.2

Packing Group II

UN number 3108

EMS 5.2 - 01

MFAG 735



HARMFUL

Marine pollutant: no

Proper shipping name: Organic peroxide type e, solid; (Dibenzoyl peroxide)

## 15 REGULATORY INFORMATION

Product label name: Dibenzoyl peroxide, 50% paste with diisobutyl phthalate

Labelling according to EC directives

Annex-1 number: not applicable

Classification based on

## Other information

The information included in this Safety Data Sheet is accurate to the best of our knowledge at the time of compilation.

Further advice pertaining to the use of this material may be obtained from our technical department