



Anglo Adhesives & Services Ltd.

INDUSTRIAL ADHESIVE MANUFACTURERS - CONTRACT FILLING AND PACKAGING

Anglo House The Airfield Dalby Road Melton Mowbray Leicestershire LE13 0BL UK

Tel: +44(0)1664 480866 - Fax: +44(0)1664 480963

E-mail: sales@anglo-adhesives.co.uk Web: www.anglo-adhesives.co.uk



MATERIAL SAFETY DATA SHEET

1. Identification of the substance/Preparation and Company

ANGLOSOL 700 - COMPONENT B

Supplier: Anglo Adhesives & Services Ltd.

Anglo House, The Airfield,
Dalby Road, Melton Mowbray,
Leicestershire, LE13 0BL

TEL: +44 (0) 1664 480866 FAX: +44 (0) 1664 480963

2. Composition/Information on Ingredients

Chemical properties (preparation)

Preparation based on Dibenzoyl peroxide and Dinethylphthalate.

Name of substance:	Dibenzoyl peroxide
Chemical formula:	C ₁₄ H ₁₀ O ₄
CAS-No.	94 - 36 - 0
INDEX -No.	617 - 008 - 00 - 6
EEC-No.	202 - 327 - 6
<u>Content</u>	<u>Unit</u>
2.50 - 10.00	%
<u>Index Letter</u>	<u>R-phrases</u>
Xi, E	R 2 - 7 - 36 - 43

3. Hazards Identification

Description of dangers:

Xi Irritant

Special guidelines concerning dangers to humans and the environment.

Irritating to eyes and skin.

4. First Aid Measures

General Information

Bring affected persons out of danger area.

Remove contaminated or saturated clothing.

Following inhalation

Take affected persons out into the fresh air.

In case of persistent discomfort supply with medical care.

Following contact with skin

When contact with skin, rinse immediately with soap and plenty of water.

Following eye contact

Keeping eyelid open, immediately rinse thoroughly for at least 5 minutes using plenty of water or if necessary, eye rinsing solution.

If substance has been swallowed

Do not force patient to vomit; commit to hospital.

5. Fire Fighting Measures

Suitable extinguishing substances

- Water
- Quenching foam
- Quenching powder
- Carbon dioxide

Particular danger caused by material, its combustion products or gases produced

- Do not inhale explosive gases or smoke fumes,
- Risk of Decomposition
- Formation of benzoic acid, carbon monoxide and organic products of decomposition

Special protective equipment

- Employ protective equipment commonly used in the event of fire.

Further information

- Ensure there are sufficient retaining facilities for water used to extinguish fire.
- Water used to extinguish fire should not enter drainage systems, soil or stretches of water.
- Contaminated fire - extinguishing water must be disposed of in accordance with the regulations issued by the appropriate local authorities.
- Fire residues should be disposed of in accordance with the regulations.

6. Accidental Release Measures

Personal precautionary measures

- Wear personal protective equipment; see section 8.
- Avoid contact with product.

Measures for environmental protection

- Insulate and seal off defective containers immediately.
- Do not allow entrance in drainage systems groundwater, or stretches of water
- Clean contaminated areas thoroughly.
- Dispose of contaminated material as waste in accordance with section 13.

Procedure for cleaning / absorption

- Absorb mechanically with suitable device and collect in a suitable container

7. Handling and Storage

Handling

- Do not weigh in storage room.
- Always close container tightly after removal of product.
- Also keep emptied containers away from sources of heat and ignition.
- Avoid contact with acid alkaline solutions, heavy metal compounds and reducing agents.

Directions on fire and explosion safety

- Explosion - proof installations required.
- Keep away from sources of ignition - No smoking.

Storage

- Risk of decomposition. with incorrect storage
- Keep only in the original container.

Requirements for containers

- Keep container tightly closed and store in a dry, well - ventilated place.
- Protect from sun rays, heat, contamination

Directions on storing materials together

- Store away from: polymerisation accelerator, acid, alkaline solutions, heavy metal compounds, reducing agents.

Further information on storage conditions

- Storage capability limited; dependent on storage conditions.
- Minimum life: See expiry date on every container.
- Maximum storage temperature: 25°C.
- Protect from frost and heat effect.

8. Exposure Controls/Personal Protection Equipment

Components with work - place related limits to be monitored

Name of substance	Dibenzoyl peroxide	
CAS - No.	94 - 36 - 0	
INDEX - No	617 - 008 - 00 - 0	
Limits	Values	Unit
Dibenzoyl peroxide		
OES / TLOA (GB)	5 mg / m ³ (1993)	
TLV / TWA (USA)	5 mg / m ³ (1993)	
TLV / STEL (USA)	- mg / m ³ (1993)	

Personal protective equipment

Measures for general protection and hygiene

- The usual precautionary measures for dealing with chemicals should be observed.
- No eating, drinking, smoking, or snuffing tobacco at work.
- Wash face and / or hands before break and end of work.
- Change work clothes that have been moistened or saturated with product.
- Used work clothing should not be worn outside the work area.

Respiratory protective equipment

- Apply respiratory equipment independent of surrounding air

Hand protection

- Protective gloves.

Eye protection

- Basket - shaped glasses.

Body protection

- Wear complete chemical protective suit.

9. Physical and Chemical Properties

Shape	Liquid
Colour	Colourless
Odour	Almost odourless

	<u>Value / range Unit</u>
Melting - point / range	N/A.
Boiling - point / range	Decomposes on heating
SADT (Self Accelerating Decomposition Temperature) from Dibenzoyl peroxide	60°C
Flashpoint	150°C from Dibenzoyl peroxide
Ignition temperature	460°C from Dibenzoyl peroxide
Vapour pressure	< 0.1 hPa (at 20°C)
Density	approx. 1.2 g / cm ³ (at 20°C)
Solubility	Insoluble in water
Viscosity	approx. 12 mPa * s

10. Stability and Reactivity

With heating above 60°C , the explosive decomposition is possible.
Danger of explosion with incompatible substances.

Conditions to be avoided

Protect from heat sun rays contamination.

Substances to be avoided

Vigorous reaction on contact with reducing agents, alkaline solutions, heavy metal compounds

Dangerous products of decomposition

Carbon Monoxide

Benzoic acid

Organic products of decomposition

11. Toxicological Information

No results of animal experiments with this preparation are available.

Data for Dibenzoyl peroxide
78 % in water.

Acute toxicity

Acute oral toxicity: LD 50 > 5 000 mg / kg, rat, literature
Acute inhalation toxicity: LC 50 > 24.3 mg / l / 4h, rat, literature.

Primary irritative effect

Primary irritative effect to the eyes: slightly irritative, rabbit, literature.
Primary irritative effect to skin: non - irritative, rabbit, literature.

Other information

Mutagenic potential, Ames test, negative, literature.

12. Ecological Information

Ecotoxicological tests with this preparation are not available.

Data for Dibenzoyl peroxide
78 % in water.

Aquatic toxicity

Acute fish toxicity: LC 50 (96 h) = 2.0 mg / l, Poecilia reticulata, literature.
Inhibition of respiratory activity of activated sludge at 35 mg / l.

Further directions

Biodegradability: easily biodegradable
method: OECD 301 D

13. Disposal considerations

Recommended

Must be brought to an authorised special waste dump or a special incineration plant following pre - treatment as special waste following according to local regulations in accordance with the regulations on special waste.

European waste catalogue (EWC)
070799: Waste otherwise not specified.

14. Transport Information

Dangerous according to the transport regulations
GGVS / GGVE / RID / IMDG code / ICAO - TI

NO

15. Regulatory Information

Labelling in accordance with EC directive

Labelling of preparation in line with EC directive (in accordance with supplement II of directive on preparations 88 / 379 / EEC)

Index letter and indication of danger posed by product

Xi Irritant

Hazardous component (s)

Dibenzoyl peroxide

R-phrases

R 36 / 38

Irritating to eyes and skin.

S-phrases

S 3 / 7 - 37 / 39

Keep container tightly closed in a cool place.

Wear suitable gloves and eye / face protection.

If preparation is freely available (public product), the following additional safety advise is required:

S 2

Keep out of reach of children.

National regulations

Observe national regulations.

16. Other Information

Places marked by * have been amended from the last version

The data presented here corresponds to the present state of our knowledge as experience and are intended to describe our product with respect to possible safety demands. We imply with this however no guarantee of properties or description of qualities.

n.a. = not applicable

n.d. = not defined

** = change (amendment from last version)*