

PRO-FINISH RH-30/40/50/WH-30/40/50/FHT-40**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

Product label name	Dibenzoyl peroxide, paste, 50% with Dimethyl Phthalate		
Supplier	Adomast Manufacturing Ltd Unit 5 Cottingham Way Thrapston Northants NN14 4PL		
Emergency telephone	00 44 (0)1832 7732251 Adomast Manufacturing Ltd UK		
Intended use	Curing agent.		
Date of first issue	Date of last issue / Revision #		
05/12/2002	01/01/2014/Rev 10.6		

2. COMPOSITION/INFORMATION ON INGREDIENTS

This product is to be considered as a preparation in conformance to EC directives				
Information on hazardous ingredients				
Chemical description Dibenzoyl peroxide, paste. 50% in Dimethyl phthalate				
Composition / information on ingredients				
Number	%w/w	CAS-number	Chemical name	
1	50.00	94-36-0	Dibenzoyl peroxide	
2	15.00 - 27.00	84-69-5	Dimethyl phthalate	
	Annex-I number	EC-number	Symbol(s)	Risk-phrase(s)
1	617-008-00-0	202-327-6	EXi	R02 R36 R43
2		201-553-2		none
Other information				
Balance: non-hazardous ingredients.				

3. HAZARDS IDENTIFICATION , **May cause fire. Irritating to eyes. May cause sensitization by skin contact.**

4. FIRST AID MEASURES

Symptoms and effects
Irritating to eyes. May cause sensitization by skin contact.
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.
Skin
Remove all contaminated clothing immediately. Wash off with plenty of soap and water. Seek medical advice if irritation develops. Launder clothes before reuse.
Eye
Rinse immediately and as long as possible with plenty of water. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek medical advice if irritation develops.
Ingestion
Rinse mouth with water. Do NOT induce vomiting. Call a physician immediately!
Advice to physician
Symptomatic treatment is advised.

5. FIRE-FIGHTING MEASURES

PRO-FINISH RH-30/40/50/WH30/40/50/FHT-40

Extinguishing media Carbon dioxide, dry chemical powder, water, foam.
Unsuitable extinguishing media halones.
Special exposure hazards CAUTION: reignition may occur. Decomposition under effect of heating. If involved in a fire, it will support combustion. In cases of fire and/or explosion do not breathe fumes.
Hazardous decomposition/ combustion products Carbon dioxide, Carbon monoxide, Benzoic acid, Benzene.
Protective equipment Wear suitable protective clothing. Wear self-contained breathing apparatus.
Other information Extinguish a small fire with powder or carbon dioxide then apply water to prevent re-ignition. Cool closed containers with water

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Avoid contact with skin and eyes. For personal protection, see Section 8.
Environmental precautions Do not allow to enter drains or watercourses.
Methods for cleaning up Collect as much as possible in a clean container for (preferable) reuse or disposal. Cover the remainder with inert absorbent (e.g. vermiculite) for disposal. The waste should NOT be confined.
Other information CAUTION: reignition may occur.

7. HANDLING AND STORAGE

Handling Never weigh out in the storage room. When using do not eat, drink or smoke. Do not breathe fumes/vapour. Handle in well ventilated areas. Keep away from reducing agents (e.g. amines), acids, alkalies and heavy metal compounds (e.g. accelerators, driers, metal soaps). Keep product and emptied container away from heat and sources of ignition. Confinement must be avoided. Do not allow to dry out. Avoid shock and friction. Avoid contact with skin and eyes.
Fire and explosion prevention Use explosion protected equipment. Keep away from sources of ignition ... No smoking.
Storage requirements Store in accordance with local/national regulations. Keep away from food, drink and animal feedingstuffs. Store in a dry well ventilated place away from sources of heat and direct sunlight. Keep only in the original container. For maximum quality store below 25°C. Keep container upright to prevent leakage.
Other information It is recommended to use electrical equipment of temperature group T3. Wash hands thoroughly after handling or contact. Keep working clothing separately and do not take them home.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls Explosion proof ventilation recommended. Ensure good ventilation and local exhaustion of the working area.
Personal protection
Respiratory The usual precautionary measures for handling chemicals should be observed. Provide adequate ventilation.
Hand Wear suitable protective gloves of neoprene or synthetic rubber.
Eye Wear eye/face protection.
Skin and body Wear suitable protective clothing.
Other information Launder clothes before reuse.

PRO-FINISH RH-30/40/50/WH/30/40/50/FHT-40Dibenzoyl peroxide Agency OES-TWA 5.000mg/m3Dimethyl phthalate Agency OES- TWA 5.000mg/m3**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	smooth unctuous paste
Colour	white or Red
Odour	faint
Boiling point/range	Do not distill (Decomposes)
Melting point/range	-10°C
Flash point	Above the SADT value
Flammability	not determined
Autoignition temperature	Test method not applicable. (See Section 7)
Explosive properties	no
Explosion limits	not applicable
Oxidizing properties	not applicable
Vapour pressure	not determined
Density	1140-1170 kg/m ³ (20°C)
Bulk density	not determined
Solubility in water	Insoluble
pH value	weak acid
Partition coefficient n-octanol/water	not determined
Relative vapour density (air=1)	not determined
Viscosity	thixotropic paste
Active oxygen content	3.27-3.37 %
Peroxide content	49.5-51.0 %
Autoignition temperature	SADT
Test method not applicable. (See Section 7)	50°C. See also Section 10: Other information.
	Explosion limits not applicable
Specific conductivity	not determined

10. STABILITY AND REACTIVITY

Stability	SADT - (Self accelerating decomposition temperature) is the lowest temperature at which self accelerating decomposition may occur with a substance in the packaging as used in transport. A dangerous self-accelerating decomposition reaction and, under certain circumstances, explosion or fire can be caused by thermal decomposition at and above the following temperature: 50°C. Contact with incompatible substances can cause decomposition at or below the SADT.
Incompatibilities	Avoid contact with rust, iron and copper. Contact with incompatible materials such as acids, alkalis, heavy metals and reducing agents will result in hazardous decomposition. Do not mix with peroxide accelerators. Use only Stainless steel 316, PVC, polyethylene or glass-lined equipment.
Decomposition	Benzoic acid, Benzene.
Conditions to avoid	Avoid temperatures above 25°C. Avoid shock and friction.

PRO-FINISH RH-30/40/50/WH30/40/50/FHT-40**11. TOXICOLOGICAL INFORMATION**

No experimental toxicological data on the preparation as such available. The following data are applicable to the ingredient(s) listed below.	
Dibenzoyl peroxide	V.O.C rating 0.1%/kg
Acute toxicity	
Oral LD50	rat:> 5000 mg/kg
Inhalation LC50	rat:> 24.3 mg/l ; 4 hours exposure time max. attainable concentration
Irritation	
Skin	Non-irritating (4 hours exposure time)
Eye	Moderately irritating
Sensitization	Sensitization possible by skin contact
Genotoxicity	Ames test: Not mutagenic
Name	Dibenzoyl peroxide, 78 %
Dimethyl phthalate	
Acute toxicity	
Oral LD50	rat: >2000 mg/kg
Irritation	
Skin	Non-irritating
Name	Dimethyl phthalate

12. ECOLOGICAL INFORMATION

No experimental ecological data are available on the substance as such. The following data are applicable to the ingredient(s) listed below.	
Dibenzoyl peroxide	
Ecotoxicity	
Name	Dibenzoyl peroxide, 78 %
fish	Acute toxicity, 96h-LC50 = 2.0 mg/l. (Poecilia reticulata.)
daphnia	48 h-EC50 : 2.91 mg/l
bacteria	Activated sludge respiration inhibition test EC50 = 35 mg/l.
Fate	
Degradation Biotic	Readily biodegradable (Closed bottle test).
Dimethyl phthalate	
Ecotoxicity	
Name	Dimethyl phthalate
fish	Acute toxicity, 96h-LC50; 3 mg/l
daphnia	Daphnia magna, 24h-EC50: 7.4 mg/l
Fate	
Degradation Biotic	Readily biodegradable.
Other information	Sio Concentration Factor (SCF) < 100

13. DISPOSAL CONSIDERATIONS

PRO-FINISH RH/30/40/50/WH/30/40/50/FHT-40

Product Waste disposal in accordance with regulations (most probably controlled incineration).
Contaminated packaging According to local regulations.
Other information For further advice contact manufacturer.

14. TRANSPORT INFORMATION

<i>Land transport (ADRI RID)</i>	
ADR class	5.2
ADRIRID item no.	P1
RID class	5.2
TREM-Card	CEFIC TEC(R)- 52GP1-S
UN number	3108
Proper Shipping Name	Organic peroxide type e, solid; (Dibenzoyl peroxide.)
Other information	Label(s); 5.2
<i>Sea transport (IMDG-codellIMO)</i>	
Class	5.2
Packing group	II
UN number	3108
EMS	5.2-01
Marine pollutant	no
Proper Shipping Name	Organic peroxide type e, solid; (Dibenzoyl peroxide)
Other information	Label(s); 5.2
<i>Air transport (ICAO- T1IIA TA-DGR)</i>	
UN number	3108
Class	5.2
Proper Shipping Name	Organic peroxide type e, solid; (Dibenzoyl peroxide)
Other information	Commodity code:2916320000

15. REGULATORY INFORMATION

Chemical description Dibenzoyl peroxide, paste, 50% in Dimethyl phthalate V.O.C 0.1%/kg

Labelling according to EC directives EC-number not applicable

R(isk) phrase(s)	
Code	Description
R07.	May cause fire.
R36.	Irritating to eyes.
R43.	May cause sensitization by skin contact.
S(afety) phrase(s)	
Code	Description
S03/07.	Keep container tightly closed in a cool place.

PRO-FINISH RH-30/40/50/WH30/40/50/FHT40

S148.	Keep away from reducing agents (e.g. amines), acids, alkalies and heavy metal compounds (e.g. accelerators, driers, metal soaps).
S26.	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39.	Wear suitable protective clothing, gloves and eye/face protection.
S50D.	Do not mix with peroxide-accelerators or reducing agents.



H242 - Heating may cause a fire.

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

P101 - If medical advice is required, have product container or label at hand.

P102 - Keep out of reach of children.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P305/P351/P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

P302/P352 - IF ON SKIN: wash with plenty of soap and water.

P411/P235 - Store at temperatures not exceeding 45c. Keep cool.

EC No: 1272/2008

16. OTHER INFORMATION

This information only concerns the above-mentioned product and does not need to be valid if used with other product(s) or in any process. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.

R-pharse information		
Chemical name	Risk-phrase(s)	
Dibenzoyl peroxide	R02 R36 R43	Risk of explosion by shock, friction, fire or other sources of ignition Irritating to eyes May cause sensitization by skin contact
Dimethyl phthalate	none	none
History		
Date of printing/ pdf file generated		
Revision	10.03	
Composed by		