



SAFETY DATA SHEET TUBE HARDENER

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	TUBE HARDENER
PRODUCT NO.	BPS750(B), BPU750(B), CCF010(B), CCF020(B), EXH001, FXH001(B), MAC080(B), MAC555(B), MAC556(B), MAC557(B), MAC558(B), SLF016(B), TTK001(B), TTK002(B), TTK035(B), TTK250(B), TTK600(B), TSF016(B), TSF017(B), TSF105(B), USB025(B), USB600(B), USF025(B), USF600(B), WFN012(B), WFN402(B), WFW012(B), WFW402(B)
INTERNAL ID	C
APPLICATION	Hardener
SUPPLIER	TETROSYL LIMITED BEVIS GREEN WORKS WALMERSLEY BURY BL9 6RE 0161 764 5981 0161 797 5899 info@tetrosyl.com

2 HAZARDS IDENTIFICATION

May cause fire. Irritating to eyes. May cause sensitisation by skin contact.

CLASSIFICATION (1999/45) Xi;R36. R43. O;R7.

PHYSICAL AND CHEMICAL HAZARDS

The product is flammable and oxidising, and heating may generate vapours which may form explosive vapour/air mixtures.

HUMAN HEALTH

See section 11 for additional information on health hazards.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content %	Classification (67/548/EEC)
BENZOYL PEROXIDE	202-327-6	94-36-0	30-60%	E;R3 O;R7 Xi;R36 R43

The Full Text for all R-Phrases is Displayed in Section 16

4 FIRST-AID MEASURES

GENERAL INFORMATION

Remove affected person from source of contamination. Get medical attention immediately!

INHALATION

Move injured person into fresh air immediately. Call an ambulance. Be aware that symptoms of lung oedema (shortness of breath) may develop up to 24 hours after exposure. Bring these instructions. Place unconscious person on the side in the recovery position and ensure breathing can take place.

INGESTION

Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital and bring along these instructions.

TUBE HARDENER**SKIN CONTACT**

Remove contaminated clothing immediately and wash skin with soap and water. Consult a physician for specific advice. Burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.

EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Immediately transport to hospital or eye specialist.

5 FIRE-FIGHTING MEASURES**EXTINGUISHING MEDIA**

Use fire-extinguishing media appropriate for surrounding materials.

SPECIAL FIRE FIGHTING PROCEDURES

Beware, risk of formation of toxic and corrosive gases.

UNUSUAL FIRE & EXPLOSION HAZARDS**OXIDISING!****SPECIFIC HAZARDS**

When heated and in case of fire, corrosive vapours/gases may be formed.

PROTECTIVE MEASURES IN FIRE

Leave danger zone immediately.

6 ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS**

Wear protective clothing as described in Section 8 of this safety data sheet. In case of spills, beware of slippery floors and surfaces.

ENVIRONMENTAL PRECAUTIONS

The product should not be dumped in nature but collected and delivered according to agreement with the local authorities.

SPILL CLEAN UP METHODS

For waste disposal, see section 13. When dealing with a spillage, please consult the section relating to suitable protective measures. Absorb spillage with non-combustible, absorbent material. Ventilate well. Prevent discharge of larger quantity to drain.

7 HANDLING AND STORAGE**USAGE PRECAUTIONS**

Read and follow manufacturer's recommendations. Always remove grease with soap and water or skin cleaning agent, never use organic solvents. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Do not eat, drink or smoke when using the product.

STORAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Store in tightly closed original container in a dry, cool and well-ventilated place.

STORAGE CLASS

Oxidiser storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
BENZOYL PEROXIDE	WEL		5 mg/m3			

WEL = Workplace Exposure Limit.

PROTECTIVE EQUIPMENT

TUBE HARDENER**PROCESS CONDITIONS**

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station.

ENGINEERING MEASURES

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

RESPIRATORY EQUIPMENT

Wear suitable respiratory protection. Check that mask fits tight and change filter regularly.

HAND PROTECTION

The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Protection against this substance requires special consideration.

EYE PROTECTION

Wear tight-fitting goggles or face shield.

OTHER PROTECTION

Provide eyewash station. AVOID ALL SKIN AND RESPIRATORY CONTACT!

HYGIENE MEASURES

Wash contaminated clothing before reuse. Wash at the end of each work shift and before eating, smoking and using the toilet.

SKIN PROTECTION

Protection suit must be worn.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE Solid or liquid (may vary).

10 STABILITY AND REACTIVITY**STABILITY**

Avoid: Contact with combustibles. Heat, sparks, flames.

MATERIALS TO AVOID

Flammable/combustible material.

11 TOXICOLOGICAL INFORMATION**HEALTH WARNINGS**

This chemical can be hazardous when inhaled and/or touched. This chemical may cause skin/eye irritation and burns (corrosive). May cause severe internal injury. Vapour from this chemical can be hazardous when inhaled.

ROUTE OF ENTRY

Inhalation. Ingestion. Skin and/or eye contact. Skin absorption.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

13 DISPOSAL CONSIDERATIONS**GENERAL INFORMATION**

When handling waste, consideration should be made to the safety precautions applying to handling of the product. Only experts should be permitted to carry out disposal of this material.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

TUBE HARDENER**14 TRANSPORT INFORMATION****GENERAL**

Full protective clothing should be worn when handling this product.



PROPER SHIPPING NAME ORGANIC PEROXIDE TYPE E, SOLID
ENVIRONMENTALLY No.
HAZARDOUS
SUBSTANCE/MARINE
POLLUTANT
UN NO. ROAD 3108
ADR CLASS NO. 5.2
ADR CLASS Class 5.2: Organic peroxides.
ADR PACK GROUP II
ADR LABEL NO. 5.2
UN NO. SEA 3108
IMDG CLASS 5.2
IMDG PACK GR. II
EMS F-J, S-R
UN NO. AIR 3108
AIR CLASS 5.2
AIR PACK GR. II

15 REGULATORY INFORMATION**LABELLING**

Irritant



Oxidising

CONTAINS**BENZOYL PEROXIDE****RISK PHRASES**

R7 May cause fire.
R36 Irritating to eyes.
R43 May cause sensitisation by skin contact.

SAFETY PHRASES

S2 Keep out of the reach of children.
S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37 Wear suitable gloves.
S46 If swallowed, seek medical advice immediately and show this container or label.
S56 Dispose of this material and its container to hazardous or special waste collection point.
S64 If swallowed, rinse mouth with water (only if the person is conscious).

TUBE HARDENER**16 OTHER INFORMATION****GENERAL INFORMATION**

Only trained personnel should use this material.

REVISION COMMENTS

This is first issue.

ISSUED BY

Health & Safety Department

REVISION DATE 02/07/2008

REV. NO./REPL. SDS 9

GENERATED**RISK PHRASES IN FULL**

R3	Extreme risk of explosion by shock, friction, fire or other sources of ignition.
R36	Irritating to eyes.
R7	May cause fire.
R43	May cause sensitisation by skin contact.

DISCLAIMER

The information provided in this document has been compiled on the basis of our current knowledge and is believed to be in accordance with the requirements of the Dangerous Substances Directive, Dangerous Preparations Directive and Safety Data Sheets Directive. The information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any particular conditions or process. The conditions and extent of storage and use of material are outside of our control and within the control of the possessor or user. Consequently it is the responsibility of the possessor or user to satisfy themselves as to the completeness of such information and the suitability of the material for their own particular circumstances, conditions or use.