

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY:**

PRODUCT NAME: Butanox M50
SUPPLIER: PS Composites LTD
Unit 7, Verulam Industrial estate, London Road, AL1 1JB
TEL: 01753650958

2. COMPOSITION/INFORMATION ON INGREDIENTS:

Identification of the preparation: Methyl ethyl ketone peroxide, in dimethyl phthalate.

Chemical Name	EEC No.	CAS No.	Symbol(s)	R-Phrases	Contents %
Methyl Ethyl Ketone Peroxide		1338-23-4	E; C; Xn	R2,R7, R34, R22	33 – 37
Methyl Ethyl Ketone	606-002-00-3	78-93-3	F, Xi,	R11, R36,/37	5

3. HAZARDS IDENTIFICATION:

Most important hazards: May cause fire. |
Specific hazards: Harmful if swallowed. Causes burns.

4. FIRST AID MEASURES:

General advice: Take off all contaminated clothing immediately.
Show this safety data sheet to the doctor in attendance.

Inhalation: Move to fresh air in case of accidental inhalation of vapours.
Obtain medical attention.

Skin contact: Wash off immediately with plenty of water. Consult a physician if necessary.

Eye contact: Rinse immediately with plenty of water for at least 15 minutes.
Keep eye wide open while rinsing. Obtain medical attention.

Ingestion: Rinse mouth. Never give anything by mouth to an unconscious person.
Call a physician immediately. Keep warm and in a quiet place.

5. FIRE FIGHTING MEASURES:

Extinguishing media: Water spray, foam, fire-extinguishing powder, carbon dioxide (CO₂).

Unsuitable extinguishing: Halones.
Media:

Special hazards: If involved in a fire, it will support combustion.

Protective equipment: In the event of fire, wear self-contained breathing apparatus.

Specific methods: Standard procedure for chemical fires. Cool containers/tanks with water spray.



6. ACCIDENTAL RELEASE MEASURES:

- Personal precautions: Use personal protective equipment. Keep people away from and upwind of spill/leak.
- Environmental precautions: Do not let product enter drains. Avoid subsoil penetration.
- Methods for cleaning up: The waste should NOT be confined. Absorb the remainder with eg. vermiculite.

7. HANDLING AND STORAGE:

- Handling: Use only in area provided with appropriate exhaust ventilation. Keep away from heat and sources of ignition. No sparking tools should be used. Avoid shock and friction. Never bring peroxides into direct contact with accelerator during processing. Weigh out and add peroxide and accelerator separately.
- Storage: Keep away from reducing agents (eg. amines), acids, alkalis and heavy metal compounds (eg. accelerators, driers, metal soaps). Store in accordance with local/national regulations. Keep container tightly closed in a dry, well-ventilated place. Do not mix with peroxide accelerators or reducing agents. The product should not be confined.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

Chemical Name:	Exposure limits
Methyl Ethyl Ketone Peroxide	OES: 1.5mg/m ³ (15min. ref. period)
Methyl Ethyl Ketone	OES STEL – 899 mg/m ³ OSE TWA – 600 mg/m ³

- Engineering measures: Ensure adequate ventilation, especially in confined areas.
Use only explosion-proof equipment.
- Personal protection equipment:
- Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.
- Hand protection: Wear suitable gloves of neoprene or synthetic rubber.
- Eye protection: Wear suitable eye/face protection.
- Skin/body protection: Chemical resistant apron, protective suit, safety shoes/boots.
- Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES:

- Appearance: Liquid
- Colour: Clear and colourless
- Odour: Mild
- Melting point/range: > -10°C
- Flash point: 52°C
- Autoignition temperature: 218°C
- Relative density (20°C): = 1.18
- Solubility (water): Partly miscible g/l miscible
- Viscosity (20°C): 20 mPa.s
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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: +60°C.
Conditions to avoid:	Violent reactions may be expected with acid, alkali, heavy metals and reducing agents. Avoid contact with rust. Confinement must be avoided. Do not mix with peroxide accelerators. Do not mix with reducing agents.
Materials to avoid:	Use only 316 Stainless steel, PVC, polyethylene or glass-lined equipment.
Hazardous decomposition products:	Acetic acid, Formic acid, Propanoic acid, Methyl ethyl ketone.

11. TOXICOLOGICAL INFORMATION:

No data available.

12. ECOLOGICAL INFORMATION:

No data available.

13. DISPOSAL CONSIDERATIONS:

Waste from residues: products:	Dispose of as special waste in compliance with local and national /unused regulations.
Contaminated packaging:	Clean container with water. Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION:

ADR/RID	UN No.:	3105
	Marine pollutant:	No
	Class:	5.2
	Item:	5
	Trem – Card	52GP1-L
	Proper shipping name:	Organic peroxide type d, liquid; (Methyl ethyl ketone peroxide)
IMO	UN No.:	3105
Class:	5.2	
	IMDG Page	
	EmS:	5.2- 01
	MFAG:	735
	Proper shipping name:	Organic peroxide type d, liquid; (Methyl ethyl ketone peroxide)
ICAO	Class:	5.2
	UN/ID No:	3105
	Proper shipping name:	Organic peroxide type d, liquid; (Methyl ethyl ketone peroxide)

15. REGULATORY INFORMATION:

Classification according to European directive on classification of hazardous preparations 90/492/EEC.

Contains: Methly ethyl ketone peroxide

Symbol(s):



Oxidising,



Corrosive

Risk phrases:	R7	May cause fire.
	R22	Harmful if swallowed.
	R34	Causes burns.
Safety phrases:	S3	Keep in a cool place.
	S7	Keep container tightly closed.
	S14	Keep away from reducing agents (eg. amines), acids, alkalis and heavy metal compounds (eg. accelerators, driers, metal soaps).
	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
	S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
	S50	Do not mix with peroxide-accelerators or reducing agents.

16. OTHER INFORMATION:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.