

Framesaver Hardener

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Issued: 02/01/2020, Revision No: 2
Regulation (EC) No. 453/2010

1. IDENTIFICATION OF SUBSTANCE / MIXTURE OF THE COMPANY / UNDERTAKING

- 1.1 Product Identifier**
Material name: Framesaver - Hardener
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Product use: Wood Repair
- 1.3 Details of the supplier of the safety data sheet**
Manufacturer / Supplier: IMG Ltd.,
Unit M
Riverside Industrial Estate
Fazeley
Tamworth
B78 3RW

Telephone: 01827 283322
Fax: 01827 250143
Email (for SDS): sales@img-limited.co.uk
- 1.4 Emergency tel. no:** 01827 283322 (Available from 8.30 – 17.00 hours)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

According to 1272/2008/EC: Classification, Labelling and Packaging of Substances and Mixtures (CLP) Regulation:

Physical and Chemical hazards Organic Peroxide E&F; H242
Human Health Skin Sens.1; H317; Eye Irr.2; H319
Environment Aquatic Acute 1; H400

2.2 Label elements

Label according to EC Directives: 1272/2008/EC:

Signal word: Warning

Pictogram(s):



Contains: Dibenzoyl Peroxide.

Hazard	H242	Heating may cause a fire.
Statements:	H317	May cause an allergic skin reaction.
	H319	Causes serious eye irritation.
	H400	Very toxic to aquatic life.

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Precautionary Statements:	P264	Wash skin thoroughly after handling.
	P273	Avoid release to the environment.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P302+P352	IF ON SKIN: Wash with plenty of water.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P370+P378	In case of fire: Use suitable media to extinguish.

2.3 Other hazards: This mixture does not contain any substances that are assessed to be PBT or a vPvB.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures:

Hazardous components:

Chemical Name	CAS.No/ EC No./ Reg.No	Classification (1272/2008/EC)	Content
Dibenzoyl Peroxide	EC: 202-327-6 REACH: 01-2119511472-50-XXXX	Org.Perox.B; H241 Eye Irr.2; H319 Skin Sens.1; H317 Aquatic Acute 1; H400	40-50%

See Section 16 for the full text of the H statements declared above.

4. FIRST AID MEASURES

4.1 Description of first aid measures

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

Eye contact: Flush with water for 15 minutes. Seek medical advice if irritation persists.

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

Skin contact: Wash immediately with plenty of soap and water. Seek medical attention.

Ingestion: Do not induce vomiting. Give water to drink. Seek immediate medical advice and show this sheet.

Protection of first aiders: No action shall be taken involving any personal risk without suitable training.

4.2 Most important symptoms and effects, both acute and delayed: In case of contact with eye, irritation may occur. In case of contact with skin, there may be mild irritation at site of contact. Irritation and redness of mouth and throat may occur after ingestion or inhalation.

4.3 Indication of any immediate medical attention and special treatment needed: Show this safety data sheet to the doctor in attendance.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powders.

Unsuitable extinguishing media: None known.

5.2 Special hazards arising from the substance or mixture

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Decomposition products may include: carbon monoxide, carbon dioxide, smoke.

5.3 Advice for fire-fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Use water spray to keep containers cool and vapours down.

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

No action shall be taken involving personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Refer to Section 8 for SDS for personal protection details.

6.2 Environmental precautions

Do not allow to enter drains or watercourses. If the product contaminated lakes, or sewers, inform the appropriate authorities in accordance with local regulations.

6.3 Methods and materials for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

6.4 Reference to other sections

See Section 13 for additional waste treatment information.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Ensure that there is sufficient ventilation of the area. Avoid direct contact with the substance. Do not eat, smoke or drink whilst working with this material. Wash hands thoroughly after use.

7.2 Conditions for safe storage, including any incompatibilities

Store in a dry, cool and well-ventilated area between 5°C and 25°C. Keep container tightly closed.

7.3 Specific end use(s)

Not available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits

Chemical Name	8hr TWA	15min STEL	Reference
Dibenzoyl Peroxide	5 mg/m ³	No data available	EH40/2005 WELs (UK 8/2018).

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DNELs/DMELs

No data available.

PNECs

No data available.

8.2 Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Personal Protective Equipment

Hand protection: Protective gloves.

Eye protection: Safety glasses or goggle are recommended such as EN166 chemical grade.

Skin protection: Protective clothing.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

State and colour:	Paste, white.
Odour:	Characteristic.
Odour threshold:	No data available.
Flammability:	No data available.
Flash point:	No data available.
Lower explosion limit:	No data available.
Upper explosion limit:	No data available.
Explosive properties:	No data available.
Thermal decomposition:	No data available.
Auto-ignition temperature:	No data available.
Oxidising properties:	Oxidising.
Solubility in water:	Insoluble.
Solubility in other solvents:	No data available.
pH:	No data available.
Melting point / range:	No data available.
Boiling point / range:	No data available.
Relative Density:	1.1
Vapour pressure:	No data available.
Vapour density:	No data available.
Partition coefficient: n-octanol / water:	No data available.
Viscosity (kinematic):	No data available.
Evaporation rate:	No data available.

9.2 Other information

SADT = 50°C. The SADT (Self Accelerating Decomposition Temperature) is an experimentally determined temperature at which the product, in its conventional packaging will decompose in a self-accelerating reaction.

10. STABILITY AND REACTIVITY

10.1 Reactivity	Stable under recommended transport and storage conditions.
10.2 Chemical stability	Stable under recommended storage and handling conditions. A dangerous self-accelerating decomposition reaction, and under

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- 10.3 Possibility of hazardous reactions** certain circumstances explosion or fire, can be caused by direct contact with incompatible substances or thermal decomposition. Under normal conditions of storage and use, hazardous reactions will not occur.
- 10.4 Conditions to avoid** Heat, direct sunlight, contact with incompatible materials.
- 10.5 Incompatible materials** Keep away from the following materials; amines, acids, alkalis, heavy metal compounds.
- 10.6 Hazardous decomposition products** Decomposition products may include the following materials; carbon dioxide, benzoic acid.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity

Chemical Name	Oral (LD50)	Inhalation (LD50)	Dermal (LD50)
Dibenzoyl Peroxide	5000 mg/kg (Rat)	24.3 mg/kg (Rat)	No data available

Symptoms / routes of exposure

- Skin corrosion / irritation:** There may be irritation and redness at the site of contact. Prolonged contact may cause sensitisation.
- Serious eye damage / irritation:** Contact may cause irritation and pain.
- Respiratory or skin sensitisation:** No data available.
- Repeated dose toxicity:** No data available.
- Carcinogenicity:** No data available.
- Mutagenicity:** No data available.
- Toxicity for reproduction:** No data available.
- Specific target organ toxicity (STOT):** No data available.
- Further information:** No data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Chemical name	Species	Test	Value
Dibenzoyl Peroxide	Algae	ErC50 72h	0.0711 mg/l
	Daphnia Magna	EC50 48h	0.110 mg/l
	Rainbow Trout (<i>Oncorhynchus mykiss</i>)	LC50 96h	0.0602 mg/l

- 12.2 Persistence and degradability** Not biodegradable.
- 12.3 Bioaccumulative potential** No data available.
- 12.4 Mobility in soil** Insoluble in water.
- 12.5 Results of PBT and vPvB assessment** This product is not identified as a PBT/vPvB substance.
- 12.6 Other adverse effects** No data available.

13. DISPOSAL CONSIDERATIONS

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13.1 Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Waste code number: 03 03 99

Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

The users attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

14.1 UN number	ADR/RID/AND; IMDG; ICAO	3108
14.2 UN Proper shipping name	ORGANIC PEROXIDE, TYPE E, SOLID (DIBENZOYL PEROXIDE).	
14.3 Transport hazard class(es)	ADR/RID/ADN Class	5.2
	ADR Label No.	5.2
	IMDG Class	5.2
	ICAO Class/Division	5.2
	ICAO Subsidiary Risk	5.2



Transport labels

14.4 Packing group	ADR/RID/AND; IMDG; ICAO	Not applicable
14.5 Environmental hazards	Environmentally hazardous	Yes
	Marine Pollutant	No
14.6 Special precautions for user	IMDG/IMO EmS:	F-J, S-R
	ADR/RID Classification code	P1
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:	Not applicable.	

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture

UK Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2001 No.2677) with amendments.

EU Directives

Regulations (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. Regulation EU 453/2010 amending Regulation (EC) No 1907/2006.

Statutory Instruments

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The Chemicals (Hazard information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Guidance Notes

Health and Safety Executive Workplace Exposure Limits EH40.

15.2 Chemical Safety Assessment

Chemical safety assessments / reports are not required for mixtures.

16. OTHER INFORMATION

This safety data sheet is prepared in accordance with Regulation EU 453/2010, amending Regulation (EC) No 1907/2006 (REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals).

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008 (CLP):

Physical hazards: On basis of test data / Expert judgement
Health hazards: Calculation method
Environmental hazards: Calculation method

Tariff Number: 3907 91 10

Full text of H-statements referred to under sections 2 and 3

H241 Heating may cause a fire or explosion.
H242 Heating may cause a fire.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.

Abbreviations and acronyms

CAS Chemical Abstract Service (division of the American Chemical Society) – Section 3.
STOT Single Target Organ Toxicity – Section 11.
TWA Time Weighted Average – Section 8.
STEL Short Term Exposure Limit – Section 8.
DNEL Derived No Effect Level – Section 8.
EC50 Effective Concentration, 50 percent – Section 12.
LD50 Lethal Dose, 50 percent – Section 11.
LC50 Lethal Concentration, 50 percent – Section 11.
PBT Persistent, Bioaccumulative, Toxic – Section 12.
VPvB very Persistent and very Bioaccumulative – Section 12.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall only be used as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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