


FGH120W – BENZOYL PEROXIDE HARDENER 100g WHITE**Section 1: PRODUCT IDENTIFICATION**

Product Name	Cream Hardener (White)	Other names	100340
GPI Product code/s	FGH120W	Recommended use/s	Hardener. For professional use only.
Manufacturer	ITW Evercoat 6600 Cornell Road Cincinnati, Ohio USA Phone: +1 513 489 7600 CHEMTREC (USA): 1800 424 9300	Importer/Supplier	GPI Automotive Products Pty. Ltd. 275 Wellington Road Mulgrave VIC 3150 Australia Phone: +61 3 8541 7500 Fax: +61 3 9562 0789 www.gpi.com.au
Emergency contact	Poisons Information Centre (Australia)	Phone: 13 11 26	www.austin.org.au/poisons

Section 2: HAZARD IDENTIFICATION

Hazard classification	HAZARDOUS SUBSTANCE	DANGEROUS GOODS	According to the Model WHS Regulations and the ADG Code.
Label elements			
Signal word	WARNING		
GHS Classification	Skin Sensitisation Category 1 Serious Eye Damage/Eye Irritation Category 2B Flammable Liquid Category 4 (Combustible Liquid) Organic Peroxides Type E		
Hazard statements	H242: Heating may cause a fire. H317: May cause an allergic skin reaction. H320: Causes eye irritation. H410: Very toxic to aquatic life with long lasting effects.		
Precautionary statements	P210: Keep away from heat/sparks/open flames/hot surfaces – no smoking. P220: Keep/store away from clothing/strong acids, bases, heavy metal salts, and other reducing substances/combustible materials. P234: Keep only in original container. P261: Avoid breathing dust/fumes/gas/mist/vapours/spray. P264: Wash thoroughly after handling. P272: Contaminated work clothing should not be allowed out of the workplace. 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 soap and 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. P333+P313: If skin irritation or rash occurs: Get medical advice/attention. P337+P313: If eye irritation persists: Get medical advice/attention. P363: Wash contaminated clothing before reuse. P391: Collect spillage. P410: Protect from sunlight. P411: Store at temperatures not exceeding 25°C / 77°F. P420: Store away from other materials. P501: Dispose of contents/container to an approved waste disposal plant.		

Section 3: CHEMICAL COMPOSITION

Ingredient name	Synonym/s	CAS number	Proportion (% weight)
Dibenzoyl peroxide	–	94-36-0	30 – 60

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Route of exposure	Symptoms caused by exposure	Description of necessary first aid measures
Eye contact	Contact with eyes may cause irritation. May cause redness and tearing of the eyes.	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
Skin contact	May cause skin irritation and/or dermatitis.	Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
Inhalation	May cause irritation of the respiratory tract.	Immediate medical attention is not required. If symptoms persist, call a physician. Move to fresh air in case of accidental inhalation of vapours or decomposition products.
Ingestion	Ingestion may cause irritation to mucous membranes.	Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.
Self-protection of the first aider	Use personal protective equipment as required.	
Medical attention and special treatment	–	

Section 5: FIRE FIGHTING MEASURES

Suitable extinguishing media	Use dry chemical, carbon dioxide (CO ₂), water spray (fog), alcohol resistant foam.
Unsuitable	High volume water jet.
Specific hazards arising from the chemical	Keep product and empty container away from heat and sources of ignition. Risk of ignition. Contact with incompatible materials or exposure to temperatures exceeding SADT may result in a self-accelerating decomposition reaction with release of flammable vapours which may auto-ignite. The product burns violent. Flash back possible over considerable distance. Vapours may form explosive mixtures with air. Cool closed containers exposed to fire with water spray.
Special protective equipment and precautions for fire fighters	As in any fire, wear self-contained breathing apparatus pressure-demand (approved) and full protective gear.
Fire/explosion hazard	No data available.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Use personal protective equipment as required. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.
Environmental precautions	Do not flush into surface water or sanitary system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See section 12 for additional ecological information.
Methods and materials for containment and cleaning up	Prevent further leakage if safe to do so. Dam up. Use personal protective equipment as required. Cover liquid spill with sand, earth or other non-combustible absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers. Take precautionary measures against static discharges. Clean contaminated objects and areas thoroughly observing environmental regulations.

Section 7: HANDLING AND STORAGE

Precautions for safe handling	Use with local exhaust ventilation. All equipment used when handling the product must be grounded. Keep away from heat/sparks/open flames/hot surfaces – no smoking. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapours/spray. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).
Conditions for safe storage	Keep away from heat, sparks, flame and other sources of ignition (i.e. pilot lights, electric motors and static electricity). Keep containers in properly labelled containers. Keep at a temperature not exceeding 10-25°C.
Storage incompatibilities	Strong oxidising agents, acids, alkalis.

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Workplace exposure standards	TWA (time-weighted average)		STEL (short-term exposure limits)		Notes
	mg/m ³	ppm	mg/m ³	ppm	
Dibenzoyl peroxide	5	–	–	–	–
Appropriate engineering controls	Showers, eyewash stations, ventilation systems				
Eye and face protection	Tight sealing safety goggles. Avoid contact with eyes.				
Skin and body protection	Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.				
Respiratory protection	Use approved air-purifying respirator with organic vapour cartridge or canister, as appropriate.				
General hygiene considerations	When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended. Wash contaminated clothing before reuse. Handle in accordance with good industrial hygiene and safety practice. Keep working clothes separately.				

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/physical state	White liquid	Relative density (water = 1)	1.15 g/cm ³
Odour	Ester-like	Solubility	Insoluble
Odour threshold	–	Partition coefficient: n-octanol/water	–
pH	–	Auto-ignition temperature	–
Melting point/freezing point	–	Decomposition temperature	SADT = 50°C
Boiling point/boiling range	–	Viscosity	–
Flash point	115°C	Specific heat value	–
Evaporation rate	–	Particle size	–
Flammability	–	Volatile organic compounds content	8.2 %
Upper/lower flammability limits	–	% volatile	–
Vapour pressure	–	Saturated vapour concentration	–
Vapour density (air = 1)	> 1	VHAP Content by weight – as packaged	0

Remarks – Decomposition: decomposes below the boiling point.

Remarks – Self-accelerating decomposition temperature (SADT): 50°C

SADT – lowest temperature at which the tested package size will undergo a self-accelerating decomposition temperature.

Section 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Heat, flames and sparks.
Incompatible materials and possible hazardous reactions	Strong oxidising agents, acids, alkalis.
Hazardous decomposition products	Thermal decomposition can lead to release of irritating and toxic gases and vapours.

Section 11: TOXICOLOGICAL INFORMATION

Ingredient	Oral LD50	Dermal LD50	Inhalation LC50
Benzoyl peroxide	≥ 2000 mg/kg	–	≥ 24.3 mg/L
Information on toxicological effects	May cause an allergic skin reaction. Liquid, aerosols and vapours of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dusts in the eyes.		
Carcinogenicity	Dibenzoyl peroxide: IARC Group 3 (not classifiable)		
Mutagenicity	–		
Reproductive and developmental toxicity	–		
Sensitisation	–		
Target organ effects	Eyes, respiratory system, skin, central nervous system.		

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Section 12: ECOLOGICAL INFORMATION

Ecotoxicity	Very toxic to aquatic life with long lasting effects.
Persistence and degradability	–
Bioaccumulative potential	–
Mobility in soil	–
Partition coefficient	Dibenzoyl peroxide – log Pow: 3.2 (20°C)
Other adverse effects	–

Section 13: DISPOSAL CONSIDERATIONS

Disposal methods	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Do not reuse container.
Environmental regulations	–

Section 14: TRANSPORT INFORMATION

Labels required		HAZCHEM code			
Regulation	UN number	Proper shipping name	DG Class	Packing Group	Notes
ADG (road)	3108	ORGANIC PEROXIDE TYPE E, SOLID (Dibenzoyl peroxide, 50%)	5.2	–	–
ADR (rail)	3108	ORGANIC PEROXIDE TYPE E (Dibenzoyl peroxide)	5.2	–	–
IMDG (sea)	3108	ORGANIC PEROXIDE TYPE E (Dibenzoyl peroxide)	5.2	–	EmS No.: F-J, S-R
IATA (air)	3108	ORGANIC PEROXIDE TYPE E (Dibenzoyl peroxide)	5.2	–	–

Section 15: REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product	
AICS (Australian Inventory of Chemical Substances)	All ingredients are listed or exempted.
Poisons schedule number	–

Section 16: OTHER INFORMATION

Date of SDS preparation	01/05/2025	This SDS is valid for 5 years from the date of preparation
Key abbreviations or acronyms used	CAS IARC STEL TWA	Chemical Abstracts Service International Agency for Research on Cancer Short-term exposure limits Time-weighted average
Notice to reader	<p>All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date prepared (above). No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.</p> <p>The data and advice given apply when the product is sold for the stated application or applications. You should not use the product other than for the stated application or applications without seeking advice from us.</p> <p>It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The GPI Group and GPI Automotive Products shall not be responsible for any damage or injury resulting from use, other than the stated product use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material. Purchasers of this product for supply to a third party for use at work, have a duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet. Employers have a duty to tell employees and others who may be affected by the hazards described in this sheet and of any precautions that should be taken.</p>	

END OF SDS