

**8ESH1 – Easy Sand Hardener 1oz****Section 1: PRODUCT IDENTIFICATION**

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|---------------------------|---|--------------------------|--|
| Product Name | EASY SAND HARDENER 1OZ | Other names | Organic Peroxide Type E, solid. |
| GPI Product code/s | 8ESH1 | Recommended use/s | Automotive hardening agent. |
| Manufacturer | Fibre Glass-Evercoat a division of Illinois Tool Works Inc. 6600 Cornell Road Cincinnati, Ohio USA Phone: 513 489 7600 Emergency phone: CHEMTREC: 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

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|------------------------------|--|-----------------|--|
| Hazard classification | HAZARDOUS SUBSTANCE | DANGEROUS GOODS | According to the Model WHS Regulations and the ADG Code. |
| Label elements | | | |
| Signal word | CAUTION | | |
| Hazard statements | H270: May cause or intensify fire; oxidiser. H320: Causes eye irritation. | | Precautionary statements |
| | | | P102: Keep out of reach of children. P233: Keep container tightly closed. P235: Keep cool. |

Section 3: CHEMICAL COMPOSITION

| Ingredient name | Synonym/s | CAS number | Proportion (% weight) |
|----------------------------|-----------|-------------|-----------------------|
| Benzoyl peroxide | – | 94-36-0 | 45 – 50 |
| Plasticizer, non-phthalate | – | Proprietary | 25 – 30 |
| Water | – | 7732-18-5 | 15 – 20 |
| Silica, amorphous | – | 7631-86-9 | 0 – 2 |
| Calcium carbonate | – | 1317-65-3 | 0 – 2 |
| Pigments | – | Various | 0 – 2 |

Section 4: FIRST AID MEASURES

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| General | Pay attention to self-protection. Remove contaminated clothes without delay. In case of unwellness, seek medical advice. | |
| Route of exposure | Symptoms caused by exposure | Description of necessary first aid measures |
| Eye contact | Contact with liquid or vapour may result in irritation, redness, tearing and blurred vision. | Flush eyes gently with water for at least 15 minutes. Seek immediate medical attention. |
| Skin contact | May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns. | Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse. |
| Inhalation | Not expected to be an inhalation hazard. | If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, oxygen may be beneficial if administered by trained personnel. |
| Ingestion | Ingestion of this material may cause gastrointestinal irritation, nausea, diarrhoea and vomiting. Aspiration of this material into the lungs due to vomiting may produce chemical pneumonitis which can be fatal. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs. | Consult a physician or poison control centre immediately. DO NOT INDUCE VOMITING. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. If possible, do not leave individual unattended. |
| Medical attention and special treatment | – | |



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Section 5: FIRE FIGHTING MEASURES

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| Suitable extinguishing media | Use fire extinguishers with class B extinguishing agents (e.g. dry chemical, carbon dioxide). | Specific hazards arising from the chemical | Combustion products listed in Section 10. |
| Unsuitable | – | | |
| Special protective equipment and precautions for fire fighters | <ul style="list-style-type: none"> • Oxidiser. • Closed containers exposed to heat from fire may build pressure and explode. • Wear full protective equipment (turnout gear) and a self-contained breathing apparatus (SCBA). | Fire/explosion hazard | – |


Section 6: ACCIDENTAL RELEASE MEASURES

| | Minor spills | Major spills |
|--|---|---------------------------|
| Personal precautions, protective equipment and emergency procedures | <ul style="list-style-type: none"> • Eliminate all sources of ignition such as flares, flames (including pilot lights), and electrical sparks. • Ventilate the area. • Wear proper protective equipment (Section 8). • Avoid breathing vapours. | Same as for small spills. |
| Environmental precautions | – | – |
| Methods and materials for containment and cleaning up | <ul style="list-style-type: none"> • Collect with an inert absorbent and dispose of properly. | Same as for small spills. |

Section 7: HANDLING AND STORAGE

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|--------------------------------------|--|------------------------------------|---|
| Precautions for safe handling | <ul style="list-style-type: none"> • Avoid contact with eyes, skin and clothing. • Wash thoroughly after handling. • Use only with adequate ventilation. • Do not breathe sanding dust, vapours or spray mist. • Do not take internally. • Close container after each use. • Keep out of reach of children. | Conditions for safe storage | <ul style="list-style-type: none"> • Store material in a cool, well-ventilated area. • For maximum product quality, avoid prolonged storage at temperatures above 25°C (75°F). • To prevent possible decomposition, temperatures in the storage facility must not exceed 103°C (217°F). • Do not use or store near heat, sparks or open flames. • Keep container tightly closed. • Avoid contact with incompatible materials. |
| Storage incompatibilities | – | Other information | – |

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

| Workplace exposure standards | TWA (time-weighted average) | | STEL (short-term exposure limits) | | Notes |
|---|--|------------|--|------------|--------------|
| | mg/m³ | ppm | mg/m³ | ppm | |
| Benzoyl peroxide | 5 | – | – | – | – |
| Calcium carbonate | 10 | – | – | – | – |
| Silica, amorphous | 2 | – | – | – | – |
| Appropriate engineering controls | Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below acceptable limits. Explosion proof ventilation system is acceptable. | | | | |
| Personal protective equipment |  | | | | |
| Eye and face protection | <ul style="list-style-type: none"> • Chemical splash goggles. | | | | |

**8ESH1 – Easy Sand Hardener 1oz****Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION (continued)**

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| Skin protection | <ul style="list-style-type: none"> Protective gloves (neoprene or natural rubber). To prevent repeated or prolonged skin contact, wear impervious clothing and boots. Barrier cream may be used for additional skin protection. |
| Respiratory protection | <ul style="list-style-type: none"> Use an approved respirator designed to remove particulate matter and organic solvent vapours. |

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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| Appearance/physical state | Blue paste | Relative density (water = 1) | 1.12 t/m ³ |
| Odour | Slight ester | Solubility | Slightly soluble in water. |
| Odour threshold | – | Partition coefficient: n-octanol/water | – |
| pH | Neutral. | Auto-ignition temperature | – |
| Melting point/freezing point | 103°C | Decomposition temperature | – |
| Boiling point/boiling range | Decomposes explosively. | Viscosity | – |
| Flash point | – | Specific heat value | – |
| Evaporation rate | Slower than ethyl ether. | Particle size | – |
| Flammability | – | Volatile organic compounds content | – |
| Upper/lower flammability limits | – | % volatile | 10 – 20 % |
| Vapour pressure | <1 mmHg @ 20°C | Saturated vapour concentration | – |
| Vapour density (air = 1) | Heavier than air. | Release of invisible flammable vapours and gases | – |

Section 10: STABILITY AND REACTIVITY

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| Reactivity | Product will not undergo polymerisation under normal conditions of use. |
| Chemical stability | Stable under normal handling conditions. |
| Conditions to avoid | Incompatible materials. |
| Incompatible materials and possible hazardous reactions | Avoid contact in uncontrolled conditions with: organic materials, inorganic acids, strong oxidising agents, accelerators, reducing materials, alcohols, amines and strong bases. |
| Hazardous decomposition products | May form toxic and corrosive gases: carbon monoxide, carbon dioxide, benzoic acid and various hydrocarbons. |

Section 11: TOXICOLOGICAL INFORMATION

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| Chronic health effects from exposure | Benzoyl peroxide: repeated or prolonged contact may cause skin sensitization. Overexposure to this material has been known to cause the following effects in lab animals: skin damage. |
| Reprotoxicity | – |
| Carcinogenicity | Benzoyl peroxide has caused tumorigenic effects in laboratory animals. |


Section 12: ECOLOGICAL INFORMATION

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| Ecotoxicity | The ecological toxicity of this product is not known. |
| Persistence and degradability | – |
| Bioaccumulative potential | – |
| Mobility in soil | – |
| Other adverse effects | – |

Section 13: DISPOSAL CONSIDERATIONS

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| Disposal methods | For quantities <50 kg: dispose of waste product in a sanitary landfill. For larger quantities: incinerate in an industrial or commercial facility in the presence of a combustible material. As a disposal alternative, dispose of waste product in a permitted hazardous waste facility. |
| Disposal of contaminated packaging | – |
| Environmental regulations | – |

**8ESH1 – Easy Sand Hardener 1oz****Section 14: TRANSPORT INFORMATION**

| Labels required | | HAZCHEM code | | | |
|---|-----------|--|----------|---------------|-------|
|  | | 1W | | | |
| Regulation | UN number | Proper shipping name | DG Class | Packing Group | Notes |
| ADG (road) | 3108 | ORGANIC PEROXIDE TYPE E, SOLID (Dibenzoyl peroxide (as a paste), <=52%) | 5.2 | III | – |
| ADR (rail) | 3108 | ORGANIC PEROXIDE TYPE E, SOLID (Dibenzoyl peroxide (as a paste), <=52%) | 5.2 | III | – |
| IMDG (sea) | 3108 | ORGANIC PEROXIDE TYPE E, SOLID (Dibenzoyl peroxide (as a paste), <=52%) | 5.2 | III | – |
| IATA (air) | 3108 | ORGANIC PEROXIDE TYPE E, SOLID (Dibenzoyl peroxide (as a paste), <=52%) | 5.2 | III | – |

Section 15: REGULATORY INFORMATION

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| 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

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|---|---|---|
| Date of SDS preparation | 01/01/2019 | This SDS is valid for 5 years from the date of preparation |
| Key abbreviations or acronyms used | CAS STEL TWA | Chemical Abstracts Service 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