



SAFETY DATA SHEET

Product Name: MAXIMUM POWER MAX-GENE

Date of Issue: 30 October 2024

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SECTION 1 – STATEMENT OF CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SUPPLIER:	Maximum Power		
ADDRESS:	Building 51, 885 Mountain Highway, Bayswater, VIC 3153		
Trade Name:	MAXIMUM POWER MAX-GENE		
TELEPHONE:	1300 093 003	Email:	sales@maximumpoweraustralia.com.au
AH EMERGENCY TELEPHONE:	1300 774 575 in Australia (M-F 7am-7pm)	Synonym:	SMPMAXGENE1L/SMPMAXGENEBOX
Substance:	Water based detergent	Product Use:	Acidic detergent
Creation Date:	30 October 2024	Revision Date:	30 October 2029

SECTION 2 – HAZARDS IDENTIFICATION

Classification of the substance or mixture

Dangerous Goods	Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail".
GHS Classification	Corrosive to Metals - Category 1 Acute Toxicity (Oral) - Category 4 Skin Corrosion - Category 1C Eye Damage - Category 1 Acute Toxicity (Inhalation) - Category 1
Poisons Schedule	S5 (Phosphoric Acid)

Label elements

GHS label pictograms	
Signal word	DANGER

Hazard statement(s)

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H330	Fatal if inhaled.

Precautionary statement(s): General

P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.

Precautionary statement(s): Prevention

P234	Keep only in original packaging.
P260	Do not breathe mist, vapour or spray.
P264	Wash hands, face and all exposed skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves and protective clothing including eye and face protection.
P281	In case of inadequate ventilation, wear respiratory protection.



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Precautionary statement(s): Response

P101	If medical advice is needed, have product container or label at hand.
P301+330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P312	Call a POISON CENTRE or doctor if you feel unwell.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P363	Wash contaminated clothing before reuse.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P310	Immediately call a POISON CENTRE or doctor.
P320	Specific treatment is urgent (see first aid section of this SDS).
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P390	Absorb spillage to prevent material damage.

Precautionary statement(s): Storage

P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P406	Store in corrosive resistant container with a resistant inner liner.

Precautionary statement(s): Disposal

P501	Dispose of contents and container in accordance with local regulations.
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Note

IMPORTANT	This SDS and the Hazard Classifications contained therein, only apply to the product in its concentrated form, as supplied.
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SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Proportion (%w/w):
Phosphoric acid	7664-38-2	10 - 30
Glycolic acid	79-14-1	< 10
Quaternary ammonium compound	Not available	< 10
Ingredients determined to be non-hazardous at the concentrations used (including water)	various	balance

SECTION 4 – FIRST AID MEASURES

Inhalation	Remove person to fresh air away from exposure. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial respiration if not breathing. Perform CPR if necessary. Immediately transport to hospital or doctor.
Skin contact	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water or shower. For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering, or irritation occurs seek immediate medical attention.
Eye contact	Immediately irrigate with copious quantities of water for 15 minutes. Eyelids to be held open. Remove clothing if contaminated and wash skin. Removal of contact lenses should only be undertaken by a skilled professional. Urgently seek medical attention by transporting to hospital or medical centre.



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Ingestion	Do NOT induce vomiting. If vomiting occurs, lean person forward or place on side with head down, if possible, to prevent aspiration. Do NOT attempt to give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Give water to drink slowly. If vomiting occurs, give further water to achieve effective dilution. Immediately seek medical attention by transporting to hospital or medical centre.
Advice to Doctor	Treat symptomatically
First Aid Facilities	Eye wash station. Normal washroom facilities.

SECTION 5 – FIRE FIGHTING MEASURES

Fire and Explosion Hazards	Non-combustible liquid; not considered to be a significant fire risk.
Extinguishing Media	Use water spray or fog, foam, dry chemical powder or carbon dioxide
Fire Fighting	Heating may cause expansion or decomposition leading to violent rupture of containers. Do not approach hot containers. Keep containers exposed to extreme heat cool with water spray. Fire fighters to wear full body protective clothing and self-contained breathing apparatus if risk of exposure to products of combustion or decomposition.
Flash Point	Not applicable
Hazchem	2X

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Emergency Procedures	<p>In the event of a minor spill, clean up immediately. Wear protective equipment in accordance with Section 8 of this SDS. Avoid inhalation of vapours or dust (from dried product). Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.</p> <p>In the event of a major spill, clear area of personnel and move upwind. If possible, stop leak and contain the spill. Avoid all personal contact, including inhalation. Wear appropriate personal protective equipment and clothing to prevent exposure, including full body protective clothing and breathing apparatus. Prevent spillage from entering drains or water courses. Increase ventilation. Place inert absorbent material onto spillage. Collect the material and place into a suitable labelled container. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.</p>
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SECTION 7 – HANDLING AND STORAGE

Handling	Avoid skin or eye contact and inhalation. Use in a well-ventilated area. Wear protective clothing when risk of exposure occurs. Avoid contact with incompatible materials. To avoid a violent reaction, ALWAYS add material to water and NEVER water to material. When handling, DO NOT eat, drink or smoke. Keep containers closed at all times. Avoid physical damage to containers. Always wash hands, face and all exposed skin thoroughly with water after handling. Launder contaminated clothing before re-use.
Storage	<p>Store in original containers, in a cool, dry, well-ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10 and foodstuffs. Store away from sources of heat and/or ignition. Store locked up. Store in corrosive resistant container with a resistant inner liner. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.</p> <p>This material is classified as a Class 8 Corrosive as per the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and/or the "New Zealand NZS5433: Transport of Dangerous Goods on Land" and must be stored in accordance with the relevant regulations.</p>



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SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits	National Occupational Exposure Limits, as published by Safe Work Australia: Time-weighted Average (TWA): None established for product. For ingredients: <ul style="list-style-type: none">Phosphoric acid: 1 mg/m³ Short Term Exposure Limit (STEL): None established for product. For ingredients: <ul style="list-style-type: none">Phosphoric acid: 3 mg/m³
Ventilation	Use only in well-ventilated areas. Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use with local exhaust ventilation or while wearing appropriate respirator.
Personal Protective Equipment	Use good occupational work practice. The use of protective clothing and equipment depends upon the degree and nature of exposure. The following protective equipment should be available;
Eye Protection 	Chemical goggles should be used for handling concentrate in quantity, cleaning up spills, decanting, etc. Eye protection devices should conform to relevant regulations. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
Hand Protection 	Wear gloves of impervious material such as butyl rubber (for long term protection, handling large quantities, cleaning up spills, decanting etc.) or PVC (for incidental splashes). Final choice of appropriate gloves will vary according to individual circumstances. i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.
Body Protection 	Suitable protective workwear is recommended (e.g., overalls or PVC protective suit with long sleeves, rubber boots and rubber or PVC apron). A face shield may be used in conjunction with chemical goggles for supplementary protection of the face, however never for primary protection of the eyes. A chemical resistant apron is recommended where large quantities are handled.
Respirator	If engineering controls are ineffective in maintaining airborne concentrations below exposure standards or an inhalation risk exists, then an approved respirator with a Type B-P filter of sufficient capacity should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Acidic liquid	Colour	Clear, blue turquoise
Odour	Not available	Specific Gravity	1.16
Boiling Point	Not available	Freezing Point	Not available
Vapour Pressure	Not available	Vapour Density	Not available
Flash Point	Non-flammable	Flammable Limits	Not applicable
Water Solubility	Mixes with water	pH	Not available



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SECTION 10 – STABILITY AND REACTIVITY

Reactivity	May be corrosive to metals. May react with metals to produce hydrogen, a highly flammable and explosive gas. This material is stable when stored and used as directed.
Conditions to Avoid	Smoking, naked lights or ignition sources
Incompatibilities	Segregate from alkalis, oxidising agents and chemicals readily decomposed by acids (i.e., cyanides, sulfides and carbonates)
Hazardous Decomposition	Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide, carbon dioxide, phosphorus oxides, nitrogen oxides and chlorides.

SECTION 11 – TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Inhalation	Fatal if inhaled. Inhalation of corrosive acids can cause mucous membrane and respiratory tract damage.
Skin contact	Corrosive to skin - contact with skin causes severe skin burns.
Eye contact	Corrosive to eyes - contact with eyes can cause corneal burns resulting in serious eye damage. Contamination of eyes can result in permanent injury including loss of sight.
Ingestion	Harmful if swallowed. Swallowing may result in nausea, irritation, possible burns or serious damage.
Chronic exposure	Repeated or prolonged exposure to acids may result in swelling or ulceration of mouth lining, inflammation of lung tissue and erosion of teeth.
Toxicology Information	Not toxic, based on ingredient calculated values.
Carcinogen Status	
SWA	No significant ingredient is classified as carcinogenic by SWA.
Respiratory Sensitisation	Not expected to be a respiratory sensitiser.
Skin Sensitisation	Not expected to be a skin sensitiser.
Germ cell mutagenicity	Not considered to be a mutagenic hazard.
Reproductive Toxicity	Not considered to be toxic to reproduction.
STOT-single exposure	Not expected to cause toxicity to a specific target organ.
STOT-repeated exposure	Not expected to cause toxicity to a specific target organ.
Aspiration Hazard	Not expected to be an aspiration hazard.

SECTION 12 – ECOLOGICAL INFORMATION

Eco-toxicity Product	Chronic Aquatic Toxicity – Category 4; May cause long lasting harmful effects to aquatic life.
Persistence and degradability	No information available
Bio accumulative potential	No information available
Mobility in soil	No information available
Other adverse effects	No information available
Environmental Protection	Do not discharge this material into waterways.



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SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of waste according to applicable local and national regulations. Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations.

SECTION 14 – TRANSPORT INFORMATION

ADG	Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail".
Marine Pollutant	No
Land Transport (ADG)	
UN Number	3264
Proper Shipping Name	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (PHOSPHORIC ACID)
Class	8 
HAZCHEM Code	2X
Packing Group	III
ERG	154
Limited Quantity	5L
Segregation	Not to be loaded with explosives (Class 1), dangerous when wet substances (Class 4.3), oxidising agents (Class 5.1), organic peroxides (Class 5.2), radioactive substances (Class 7) or food and food packaging in any quantity. Note 1: Concentrated strong alkalis are incompatible with concentrated strong acids. Exemptions may apply.

SECTION 15 – REGULATORY INFORMATION

GHS Classification	Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
SUSMP	S5 (Phosphoric Acid)
ADG Code	Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail".
AICS	All ingredients present on AICS

SECTION 16 – OTHER INFORMATION

Issue Date	30 October 2024
Version Number	V4: regular review
Abbreviations and acronyms	ADG Code: Australian Code for the Transport of Dangerous Goods by Road and Rail. AICS: Australian Inventory of Chemical Substances. CAS Number: Chemical Abstracts Service Registry Number. GHS: Globally Harmonized System of Classification and Labelling of Chemicals HAZCHEM: An emergency action code of numbers and letters which gives information to emergency services. HCIS: Hazardous Chemical Information System SWA: Safe Work Australia.



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	<p>SDS: Safety Data Sheet</p> <p>STEL: Short Term Exposure Limit.</p> <p>SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons.</p> <p>TWA: Time Weighted Average.</p> <p>UN Number: United Nations Number.</p>
Literature references	<p>Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice (Safe Work Australia)</p> <p>GHS Hazardous Chemical Information List (Safe Work Australia)</p> <p>Guidance on the Classification of Hazardous Chemicals under the WHS Regulations.</p> <p>Global Harmonized System of Classification and Labelling of Chemicals (GHS)</p> <p>“Australian Exposure Standards”. Safe Work Australia</p> <p>Australian Code for The Transport of Dangerous Goods by Road and Rail</p> <p>Standard for the Uniform Scheduling of Medicines and Poisons</p> <p>Safety Data Sheets – individual raw materials – Suppliers</p> <p>HCIS – Hazardous Chemical Information System – National Safe Work Australia Data Base.</p>
Disclaimer	<p>This SDS summarizes at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use this product in the workplace. Since the supplier cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this supplier.</p>

End of SDS