

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product Name: **Guardsman Weather Defence Wood Protector**
 Product size: 284g - Aerosol
 Product Use: Furniture maintenance and repair.
 Restriction of Use in NZ: Refer to Section 15

Manufacturer: **Guardsman Australia Pty Ltd**
 13 Columbia Way
 Baulkham Hills
 NSW, 2153
 Australia

Tel: 1800 249 252
Australian Emergency No 13 11 26 (National Poison Centre)

New Zealand Supplier: **Guardsman Australia Pty Ltd**
 Telephone: 0800 442 343
Emergency No: 0800 764 766 (National Poison Centre)

Date of SDS Preparation: 13 October 2023

Section 2. Hazards Identification

Australia:

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia

New Zealand:

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval No: Aerosols (Flammable, Carcinogenic) – HSR002520

Pictograms



Signal Word: **DANGER**

GHS Classification and Category	Hazard Code	Hazard Statement
Aerosol Cat. 2	H223	Flammable aerosol.
	H229	Pressurised container: May burst if heated.
Skin sensitisation Cat. 1	H317	May cause an allergic skin reaction.
Carcinogenicity Cat. 2	H351	Suspected of causing cancer.
Reproductive toxicity Cat. 2	H361	Suspected of damaging fertility or the unborn child.
specific target organ toxicity - single exposure Cat 3 - Narcotic Effects	H336	May cause drowsiness or dizziness.

Prevention Code	Prevention Statement
P103	Read carefully and follow all instructions.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P261	Avoid breathing fumes, mist, vapours or spray.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective clothing as detailed in Section 8.
P281	Use personal protective equipment as required.

Response Code	Response Statement
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P363	Wash contaminated clothing before reuse.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.

Storage Code	Storage Statement
P405	Store locked up in industrial settings.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Butane	5 - 10	106-97-8
Propane	5 - 10	74-98-6
Naphtha petroleum, heavy, hydrotreated	70 - 80	64742-48-9
Methyltrimethoxysilane	<1	1185-55-3
Octyltriethoxysilane	<1	2943-75-1
Titanium(IV) butoxide	<1	5593-70-4
Octamethylcyclotetrasiloxane	<1	556-67-2
Dimethoxydimethylsilane	<1	1112-39-6
paraffinic distillate, heavy, hydrotreated (mild)	3 - 7	Proprietary

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes Rinse cautiously with water for 15 minutes. If eye irritation persists: Get medical advice.

If on Skin	Rinse skin with water. If using in bulk wash contaminated clothing before reuse. If skin irritation or rash occurs, get medical advice/attention.
If Swallowed	Rinse mouth with water. Never give anything by the mouth to an unconscious person. Seek medical advice if needed.
If Inhaled	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice if breathing becomes difficult.

Most important symptoms and effects, both acute and delayed

Symptoms: May cause an allergic skin reaction. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. May cause drowsiness or dizziness.

Notes to Physician: Treat symptomatically.

Section 5. Fire Fighting Measures

Hazard Type	Flammable Aerosol.
Hazards from combustion products	Burning produces heavy smoke. Fire may produce irritating and/or toxic gases. In the event of fire and/or explosion do not breathe fumes.
Suitable Extinguishing media	Dry chemical, CO ₂ , water spray. Do not use a strong water jet or fog.
Precautions for firefighters and special protective clothing	Wear self-contained breathing apparatus and protective suit. Cool containers with flooding quantities of water until well after fire is out. Do not allow run-off from fire-fighting to enter drains or water courses.
HAZCHEM CODE	2YE

Section 6. Accidental Release Measures

For HOUSEHOLD Settings:

Absorb or wipe up with absorbent (clean rag or paper towels). Dispose with general waste. Recycle container where possible.

Personal precautions for INDUSTRIAL Settings:

Use protective clothing as detailed in Section 8 to prevent skin and eye contamination. Avoid inhalation of vapours. Remove all sources of ignition.

Environmental precautions for INDUSTRIAL Settings:

Do not discharge into drains and waterways.

Spill and Disposal procedures for INDUSTRIAL Settings:

Prevent further leakage or spillage if safe to do so. Clean with detergents. Dispose of waste safely, refer to Section 13.

Section 7. Handling and Storage

Precautions for Handling and Storage in HOUSEHOLD Setting:

- Use as directed on product label.
- Keep out of reach of children.
- Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

Precautions for Handling in INDUSTRIAL Setting:

- Read carefully and follow all instructions.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Do not spray on an open flame or other ignition source.

- Do not pierce or burn, even after use.
- Avoid breathing fumes, mist, vapours or spray.
- Use only outdoors or in a well-ventilated area.
- Contaminated work clothing should not be allowed out of the workplace.
- Wear protective clothing as detailed in Section 8.
- Keep dry to avoid corrosion of cans. Corrosion may result in container perforation and internal pressure may eject contents of can.
- Store in original containers in approved flammable liquid storage area.
- DO NOT store in pits, depressions, basements or areas where vapours may be trapped.
- No smoking, naked lights, heat or ignition sources.
- Keep containers securely sealed.

Precautions for Storage in INDUSTRIAL Setting:

- Store away from incompatible materials listed in Section 10.
- Store locked up away from children.
- Do not expose to temperatures exceeding 50 °C.
- Keep/store only in original container. Keep container tightly closed.
- Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
- Protect from sunlight and in a well ventilated place.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance		TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Butane	[106-97-8]	800	1900	-	-

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. AUST: Workplace Exposure Standards For Airborne Contaminants Oct 2022. New Zealand: Workplace Exposure Standards and Biological Exposure Indices APRIL 2022 13TH EDITION.

Engineering Controls

Ensure adequate ventilation, especially in confined areas. Provide local exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

Personal Protection Equipment for HOUSEHOLD Setting:

Eyes	None required under normal conditions.
Hands	No special equipment required for normal use but always good practice to wear gloves.
Respiratory	None required under normal conditions.

Personal Protection Equipment INDUSTRIAL Setting:



Eyes	Wear safety glasses with side shields (or goggles).
Hands	For potentially moderate exposures: Wear general protective gloves, eg. light weight rubber gloves. For potentially heavy exposures: Wear chemical protective gloves, eg. PVC. and safety footwear
Skin	Wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre.
Respiratory	In case of inadequate ventilation wear respiratory protection.

Section 9**Physical and Chemical Properties**

Appearance	Aerosol
Colour	Not available
Odour	Not available
Odour Threshold	Not available
pH	Not available
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	-81°C
Flammability	Highly flammable
Upper and Lower Explosive Limits	1.5 to 10%
Vapour Pressure	Not available
Vapour Density	Not available
Relative Density	0.747 (water = 1)
Water Solubility	Immiscible
Partition Coefficient:	Not available
Auto-ignition Temperature	431°C
Decomposition Temperature	Not available
Viscosity	Not available
Particle Characteristics	Not available

Section 10. Stability and Reactivity

Stability of Substance	This material is stable when stored and used as directed.
Possibility of hazardous reactions	No known hazardous reactions.
Conditions to Avoid	Heat, flames and sparks.
Incompatible Materials	Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result.
Hazardous Decomposition Products	No data available.

Section 11**Toxicological Information****Acute Effects:**

Swallowed	This product is not classified as acutely toxic.
Dermal	This product is not classified as acutely toxic.
Inhalation	May cause drowsiness or dizziness.
Eye	This product is not classified an eye irritant/corrosive.
Skin	May cause an allergic skin reaction.

Chronic Effects:

Carcinogenicity	Suspected of causing cancer.
Reproductive Toxicity	Suspected of damaging fertility or the unborn child.
Germ Cell Mutagenicity	This product is not classified as mutagenic.
Aspiration	This product is not classified as Asp Tox.
STOT/SE	This product is not classified as STOT SE.
STOT/RE	This product is not classified as STOT RE.

Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

Section 13. Disposal Considerations

Disposal Method:

If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

Precautions or methods to avoid: Do not pierce or burn, even after use.

Section 14 Transport Information

This product is classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) (7th edition).

This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2020 and SNZ HB 5433:2021



Road, Rail, Sea and Air Transport

UN No	1950
Class - Primary	2
Proper Shipping Name	AEROSOLS
Marine Pollutant	No
Special Provisions	If the product's individual container is below 1L, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG. Special Provisions: 63, 190, 277, 344, 327

Section 15 Regulatory Information

Australia:

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

New Zealand:

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval Code: **Aerosols (Flammable, Carcinogenic) – HSR002520**

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	3000L (AWC)
Tracking Trigger Quantities	Not required

Signage Trigger Quantities	3000L (AWC)
Emergency Response Plan	1000L
Secondary Containment	1000L
Restriction of Use	Only use for the intended purpose.

Section 16 Other Information

Glossary

EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

Australia:

1. Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
2. Standard for the Uniform Scheduling of Medicines and Poisons.
3. Australian Code for the Transport of Dangerous Goods by Road & Rail.
4. Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
5. Workplace exposure standards for airborne contaminants, Safe work Australia.
6. American Conference of Industrial Hygienists (ACGIH).
7. Globally Harmonised System of classification and labelling of chemicals.

New Zealand:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices APRIL 2022 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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Please contact the Australian Manufacturer or New Zealand distributor, if further information is required.

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