

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product Name: **Guardsman Fabric Protector**
 Product Use: Interior Fabric Protector
 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**
 New Zealand Contact No: 0800 442 343
New Zealand Emergency No: 0800 764 766 (National Poison Centre)

Date of SDS Preparation: 26 June 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) – HSR002515

Pictograms



Signal Word: **DANGER**

| GHS Classification and Category | Hazard Code | Hazard Statement |
|---------------------------------|-------------|--|
| Aerosol Cat. 1 | H222 | Extremely flammable aerosol. |
| Skin sensitisation Cat. 1 | H317 | May cause an allergic skin reaction. |
| Reproductive toxicity Cat. 2 | H361 | Suspected of damaging fertility or the unborn child (more relevant for contractors rather than home use as exposure is less frequent). |

| 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 dust, fumes, gas, mist, vapours or spray. |
| 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 |
|---------------|--|
| P363 | Wash contaminated clothing before reuse. |
| P302 + P352 | IF ON SKIN: Wash with plenty of soap and water. |
| 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 (Industrial settings only). |
| 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 - 15 | 106-97-8 |
| Propane | 5 - 15 | 74-98-6 |
| Naphtha petroleum, heavy, hydrotreated | 60 - 80 | 64742-48-9 |
| Xylene | <0.5 | 1330-20-7 |
| Ethyl Hexanediol | <0.5 | 94-96-2 |
| White Spirit | 1 - 5 | 8052-41-3 |

Section 4. First Aid Measures

Routes of Exposure:

| | |
|--------------|--|
| If in Eyes | If aerosols come in contact with the eyes. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice. |
| If on Skin | If solids or aerosol mist are deposited upon the skin. Flush skin and hair with running water (and soap if available). Remove any adhering solids with industrial skin cleansing cream. DO NOT use solvents. Seek medical attention in the event of irritation. |
| If Swallowed | Not considered a normal route of entry. If accidentally swallowed rinse mouth with water. Never give anything by mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice. |
| If Inhaled | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Remove contaminated clothing and loosen remaining clothing. Keep at rest until fully recovered. Apply artificial respiration if not breathing. Get medical advice if breathing becomes difficult. |

Most important symptoms and effects, both acute and delayed if used in large quantities

Symptoms: May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child (more relevant for contractors rather than home use as exposure is less frequent).

Notes to Physician: Treat symptomatically.

Section 5. Fire Fighting Measures

| | |
|---|---|
| Hazard Type | Flammable Aerosol. Severe fire hazard when exposed to heat or flame. Vapour forms an explosive mixture with air. Severe explosion hazard, in the form of vapour, when exposed to flame or spark. Vapour may travel a considerable distance to source of ignition. Heating may cause expansion or decomposition with violent container rupture. Aerosol cans may explode on exposure to naked flames. Rupturing containers may rocket and scatter burning materials. |
| Hazards from products | May emit acrid, poisonous or corrosive fumes. On combustion, may emit toxic fumes of carbon monoxide (CO). Articles and manufactured articles may constitute a fire hazard where polymers form their outer layers or where combustible packaging remains in place. Certain substances, found throughout their construction, may degrade or become volatile when heated to high temperatures. This may create a secondary hazard. |
| Suitable Extinguishing media | SMALL FIRE: Water spray, dry chemical or CO2 LARGE FIRE: Water spray or fog. |
| Precautions for firefighters and special protective clothing | Wear breathing apparatus plus protective gloves. May be violently or explosively reactive. Prevent, by any means available, spillage from entering drains or water courses. If safe, switch off electrical equipment until vapour fire hazard removed. Use water delivered as a fine spray to control fire and cool adjacent area. DO NOT approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire. Equipment should be thoroughly decontaminated after use. |
| HAZCHEM CODE | None Allocated |

Section 6. Accidental Release Measures

For HOUSEHOLD Settings:

Stop leak if safe to do. Absorb or wipe up spill. If can is damaged place can outside and dispose with general waste. Recycle where possible.

Personal precautions for INDUSTRIAL Settings:

Use protective clothing as detailed in Section 8. Avoid inhalation of vapours. Remove contaminated clothes. Rewash contaminated clothing before reuse. Clear area of all unprotected personnel. Clean up all spills immediately. May be violently or explosively reactive. Shut off all possible sources of ignition and increase ventilation. If safe, damaged cans should be placed in a container outdoors, away from all ignition sources, until pressure has dissipated. Undamaged cans should be gathered and stowed safely.

Environmental precautions for INDUSTRIAL Settings:

Do not discharge into drains and waterways.

Spill and Disposal procedures for INDUSTRIAL Settings:

Stop leak only if safe to do. Water spray or fog may be used to disperse vapour. Absorb or cover spill with sand, earth, inert materials or vermiculite.

If safe, damaged cans should be placed in a container outdoors, away from ignition sources, until pressure has dissipated. Undamaged cans should be gathered and stowed safely. Collect residues and seal in labelled drums for disposal. 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.

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 dust, fumes, gas, mist, vapours or spray.
- DO NOT spray directly on humans, exposed food or food utensils.
- Contaminated work clothing should not be allowed out of the workplace.
- Wear protective clothing as detailed in Section 8.
- Use personal protective equipment as required.
- Avoid physical damage to containers.
- Always wash hands with soap and water after handling. Work clothes should be laundered separately.
- Keep dry to avoid corrosion of cans. Corrosion may result in container perforation and internal pressure may eject contents of can.

Precautions for Storage in INDUSTRIAL Setting:

- Store away from incompatible materials listed in Section 10.
- Store locked up.
- Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
- 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. Contents under pressure.
- Store in a cool, dry, well ventilated area.
- Store in an upright position.
- Protect containers against physical damage. Check regularly for spills and leaks.
- Store in a cool, dry, well-ventilated place and out of direct sunlight.
- Store away from foodstuffs.
- Store away from sources of heat and/or ignition.

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 | - | - |
| Xylene | [1330-20-7] | 50 | 217 | - | - |
| Stoddard solvent (White spirits) | [8052-41-3] | 100 | 525 | - | - |

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

Engineering Controls

General exhaust is adequate under normal conditions. If risk of overexposure exists, wear SAA approved respirator. Correct fit is essential to obtain adequate protection.

Provide adequate ventilation in warehouse or closed storage areas.

Air contaminants generated in the workplace possess varying "escape" velocities which, in turn, determine the "capture velocities" of fresh circulating air required to effectively remove the contaminant.

Personal Protection Equipment for HOUSEHOLD Setting:

| | |
|--------------------|--|
| Eyes | None required under normal conditions. |
| Hands | Always good practice to wear gloves. |
| Respiratory | None required under normal conditions. |

Personal Protection Equipment for INDUSTRIAL Setting:



| | |
|--------------------|---|
| Eyes | No special equipment required due to the physical form of the product. |
| Hands | Wear general protective gloves, eg. light weight rubber gloves. NOTE: The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact. |
| Skin | No special equipment needed when handling small quantities. OTHERWISE: Overalls. Skin cleansing cream. Eyewash unit. Do not spray on hot surfaces. |
| Respiratory | Respiratory protection not normally required due to the physical form of the product. |

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 aerosol |
| Upper and Lower Explosive Limits | 1.5% – 10% |
| Vapour Pressure @20°C | 0.004 kPa |
| Relative Vapour Density | 0.694 (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 |
| Molecular weight | Not available |

Section 10. Stability and Reactivity

| | |
|---|---|
| Stability of Substance | This material is thermally stable when stored and used as directed. |
| Possibility of hazardous reactions | No data available. |
| Conditions to Avoid | Keep away from sources of ignition, heat and sparks. |
| Incompatible Materials | Avoid reaction with oxidising agents. |
| Hazardous Decomposition Products | May emit acrid, poisonous or corrosive fumes. |

Section 11 Toxicological Information

Acute Effects:

| | |
|----------------------|--|
| Swallowed | This material has been classified as non-hazardous. |
| Dermal | This material has been classified as non-hazardous. |
| Inhalation | This material has been classified as non-hazardous. |
| Eye | This material has been classified as an eye irritant. |
| Skin | May cause an allergic skin reaction. |
| Sensitisation | This material has been classified as not a skin sensitiser |

Chronic Effects:

| | |
|-------------------------------|--|
| Carcinogenicity | This material has been classified as non-hazardous. |
| Reproductive Toxicity | Suspected of damaging fertility or the unborn child (more relevant for contractors rather than home use as exposure is less frequent). |
| Germ Cell Mutagenicity | This material has been classified as non-hazardous. |
| Aspiration | This material has been classified as non-hazardous. |
| STOT/SE | This material has been classified as non-hazardous. |
| STOT/RE | This material has been classified as non-hazardous. |

Individual component information:

Acute Toxicity:

| Chemical Name | Oral – LD50 | Dermal – LD50 | Inhalation – LC50 |
|--|---|--|---|
| Butane | - | - | (Rat) LC50: 658000 mg/m ³ /4h |
| Propane | - | - | (Rat) LC50: 364726.819 ppm/4h[2] |
| naphtha petroleum, heavy, hydrotreated | >8000 mg/kg(Rat) | Dermal (Rat)LC50: >11 mg/l / Dermal (Rat)LD50: >4000 mg/kg | (Rat) LC50: 3400 ppm/4h |
| Xylene | 50 mg/kg(Human) LDLo: 50 mg/kg (Human) 2119 mg/kg (Mouse) 4300 mg/kg(Rat) Subcutaneous: 1700 mg/kg (Rat) | - | 450 ppm/4h (Guinea Pig) TCLo: 200 ppm (Human) TCLo: 200 ppm/4h (Human) LCLo: 10000 ppm/6h (man) 5000 ppm/4h (Rat) |
| Ethyl hexanediol | >2600 mg/kg (Rabbit) >1400 mg/kg(Rat) >1900 mg/kg(Rat) | | >4800 ppm/8h (rat) |
| White Spirit | >5000mg/kg (rat) | - | TCLo: 600 mg/m ³ /8h |

(human)
>5500 mg/m³/4h

Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

Persistence and degradability

| Ingredient | Persistence: Water/Soil | | Persistence: Air | |
|------------------|-----------------------------|--|-----------------------------|--|
| | | | | |
| butane | LOW | | LOW | |
| propane | LOW | | LOW | |
| xylene | HIGH (Half-life = 360 days) | | LOW (Half-life = 1.83 days) | |
| ethyl hexanediol | LOW | | LOW | |

Mobility in soil

| Ingredient | |
|------------------|-------------------|
| butane | LOW (KOC = 43.79) |
| propane | LOW (KOC = 23.74) |
| ethyl hexanediol | LOW (KOC = 10) |

Toxicity:

Butane:

| Endpoint | Test Duration (hr) | Species | Value | Source |
|-----------|--------------------|-------------------------------|-----------|--------|
| LC50 | 96h | Fish | 24.11mg/l | 2 |
| EC50(ECx) | 96h | Algae or other aquatic plants | 7.71mg/l | 2 |
| EC50 | 96h | Algae or other aquatic plants | 7.71mg/l | 2 |

naphtha petroleum, heavy, hydrotreated:

| Endpoint | Test Duration (hr) | Species | Value | Source |
|-----------|--------------------|-------------------------------|------------|--------|
| EC50(ECx) | 48h | Crustacea | >0.002mg/l | 2 |
| EC50 | 96h | Algae or other aquatic plants | 64mg/l | 2 |
| EC50 | 48h | Crustacea | >0.002mg/l | 2 |

Xylene:

| Endpoint | Test Duration (hr) | Species | Value | Source |
|-----------|--------------------|-------------------------------|----------|--------|
| LC50 | 96h | Fish | 2.6mg/l | 2 |
| EC50 | 72h | Algae or other aquatic plants | 4.6mg/l | 2 |
| EC50 | 48h | Crustacea | 1.8mg/l | 2 |
| NOEC(ECx) | 73h | Algae or other aquatic plants | 0.44mg/l | 2 |

Ethyl hexanediol:

| Endpoint | Test Duration (hr) | Species | Value | Source |
|-----------|--------------------|-------------------------------|----------|--------|
| NOEC(ECx) | 48h | Crustacea | 100mg/l | 2 |
| EC50 | 72h | Algae or other aquatic plants | >100mg/l | 2 |
| EC50 | 48h | Crustacea | >100mg/l | 2 |
| LC50 | 96h | Fish | 624mg/l | 4 |

White Spirit:

| Endpoint | Test Duration (hr) | Species | Value | Source |
|-----------|--------------------|-------------------------------|-----------|--------|
| NOEC(ECx) | 720h | Fish | 0.02mg/l | 2 |
| EC50 | 96h | Algae or other aquatic plants | 0.277mg/l | 2 |
| LC50 | 96h | Fish | 0.14mg/l | 2 |

Legend: *Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 4. US EPA,*

Section 13. Disposal Considerations

Disposal Method:

Recycle wherever possible or consult manufacturer for recycling options. Discharge contents of damaged aerosol cans at an approved site. Allow small quantities to evaporate.

Precautions or methods to avoid: DO NOT incinerate or puncture aerosol cans.

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



Road, Rail, Sea and Air Transport

| | |
|-----------------------------|---|
| UN No | 1950 |
| Class - Primary | 2.1 |
| Proper Shipping Name | AEROSOLS (contains naphtha petroleum, heavy, hydrotreated) |
| Marine Pollutant | No |
| Special Provisions | Special Provisions: 63; 190; 277; 327; 344; 381 Limited Quantity: 1000ml |

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) – HSR002515

| HSW (HS) Regulations 2017 and EPA Notices | Trigger Quantity |
|---|------------------------------------|
| Certified Handler | Not required |
| Location Certificate | 3 000 L (aggregate water capacity) |
| Tracking Trigger Quantities | Not required |
| Signage Trigger Quantities | 3 000 L (aggregate water capacity) |
| Emergency Response Plan | 1000L |
| Secondary Containment | 1000L |
| Restriction of Use | Only use for the intended purpose. |

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

This document has been prepared by TCC (NZ) Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC (NZ) have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, TCC (NZ) Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

The information herein is given in good faith, but no warranty, express or implied is made.

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

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