# Safety Data Sheet

## 1. Identification

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| Product Name: | Marine Aliphatic Primer Clear/Red Tone/Yellow Tone |
| Other Names: | Awlwood Primer |
| Recommended use: | Primer under Uroxsys Marine Aliphatic |
| Supplier: | Uroxsys Ltd |
| Street Address: | 2 Stonedon Drive, East Tamaki, Auckland |
| Telephone Number: | +64 9 2740808 (8.00am to 5.00pm, Monday to Friday) |
| Emergency Telephone: | After hours phone CHEMCALL 0800 243622 (or +64 4 9179888) |
| National Poison Information Centre | 0800 POISON (764766) |
| Date of issue | 7 May 2025 |

## 2. Hazards identification

**GHS classification of the substance/mixture:**
Classified as Hazardous according to Hazardous Substances (Hazard Classification) Notice 2020
Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433: 2020 Transport of Dangerous Goods.

Flammable Liquid Category 3, Acute toxicity inhalation Category 4, Skin Irritation Category 2, Skin sensitisation Category 1, Eye irritation Category 2, Reproductive toxicity Category 2, STOT (single exposure) Category 3 (respiratory), STOT (repeated exposure) Category 2

EPA Approval: HSR002662
Surface Coatings and Colourants (Flammable) Group Standard 2020
3.1C, 6.1D(I), 6.3A, 6.4A, 6.5B, 6.8B,6.9B

**Signal Word:**
DANGER

**Hazard Statements:**
H226: Flammable liquid and vapour.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.
H336: May cause drowsiness or dizziness.
H361: May cause damage to fertility or the unborn child.
H373: May cause damage to organs through prolonged or repeated exposure.

**Precautionary Statements – Prevention:**

P102: Keep out of reach of children.
P103: Read label before use.
P201: Obtain special instructions before use.
P202: Do not handle until all safety instructions have been read and understood.
P210: Keep away from sparks/open flames/hot surfaces. No smoking.
P233: Keep container tightly closed.
P240: Ground/bond container and receiving equipment.
P241: Use explosion-proof electrical/ventilating/lighting equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P260: Do not breathe fumes/gas/mist/vapours/spray.
P264: Wash hands thoroughly after handling.
P271: Use only outdoors or in a well ventilated area
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.
P281: Use personal protective equipment as required.
P285: In case of inadequate ventilation wear respiratory protection. *(see section 8)*

**Precautionary Statements – Response:**

P101: If medical advice is needed, have product container or label at hand.
P303+P361+P353+P352: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of soap and water.
P304+P341+P312: IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312: Call a POISON CENTER or doctor/physician if you feel unwell.
P314: Get medical attention/advice if you feel unwell.
P308+P313: If exposed or concerned. Get medical advice/attention.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P337+P313: If eye irritation persists: Get medical advice/attention.
P342+P311: If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P362: Take off contaminated clothing and wash before reuse.
P363: Wash contaminated clothing before reuse.
P370+P378: In case of fire: Use foam, dry powder, carbon dioxide for extinction.

**Precautionary Statements – Storage:**

P403+P233: Store in a well-ventilated place. Keep container tightly closed
P405: Store locked up.

**Precautionary Statements – Disposal:**

P501: Do not let product enter the environment. Do not dispose of in waterways or sewers. Unwanted product should be brushed out on newspaper, allowed to cure and then disposed of via waste collection. Empty containers should be left open in a well-ventilated area to cure. When cured, recycle the container via recycling programs. Disposal of empty paint containers via domestic recycling programs may differ between local authorities. Check with your local council first.

## 3. Composition/information on ingredients

| Material | CAS No | Content % |
|---|---|---|
| Hexamethylene diisocyanate homopolymer | 28182-81-2 | 40 – 60 |
| 1-methoxy-2-propyl acetate | 108-65-6 | 20 – 40 |
| Solvent naphtha light aromatic | 64742-95-6 | 10 - 30 |
| 1,2,5-Trimethylbenzene | 95-63-6 | < 10 |
| Xylene | 1330-20-7 | < 10 |
| Hexamethylene Diisocyanate | 822-06-0 | <0.3 |

## 4. First-aid measures

If poisoning occurs, contact a doctor or Poisons Information Centre Phone 0800 764 766.

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| Ingestion: | If swallowed, do NOT induce vomiting. Immediately rinse mouth with water. Seek immediate medical assistance. |
| Inhalation: | IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. |
| Skin Contact: | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. |
| Eye Contact: | IF IN 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/attention. |
| Notes to physician: | Treat symptomatically. |

## 5. Fire-fighting measures

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| Suitable Extinguishing Media: | Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder) |
| Hazards from combustion: | On burning may emit toxic fumes including those of carbon oxides, nitrogen oxides, isocyanate vapours and hydrogen cyanide. |
| Fire-fighting advice: | Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion. |
| Hazchem Code | 3Y |

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Remove sources of ignition, do not turn lights or unprotected electrical equipment on or off. In case of a major spill or spillage in a confined space evacuate the area and check that solvent vapour levels are below the Lower Explosive Limit before re-entering.

**Environmental precautions**: Do not allow spills to enter drains or watercourses.

**Methods and material for containment and cleaning up**: Ventilate the area and avoid breathing vapours. Take the personal protective measures listed in section 8. Contain and absorb spillage with non-combustible materials e.g. sand, earth, vermiculite. Place in a suitable container. The contaminated area should be cleaned

up immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts), concentrated ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts), water (95 parts). Add the same decontaminant to any residues and allow to stand for several days in a non-sealed container until no further reaction occurs. Once this stage is reached, close container and dispose of in accordance with the waste regulations (see section 13). Do not allow spills to enter drains or watercourses.If drains or sewers are contaminated, inform the local water company immediately.

## 7. Handling and storage

**Precautions for safe handling**: Persons with a history of asthma, allergies or chronic or recurrent respiratory disease should only be employed in processes in which this product is used under appropriate medical supervision.
In Storage: Handle containers carefully to prevent damage and spillage. Precautions should be taken to minimise exposure to atmospheric humidity or water as carbon dioxide may be formed which, in closed containers can result in pressurisation. Care should be taken when reopening partly used containers. Naked flames and smoking should not be permitted in storage areas. It is recommended that fork lift trucks and electrical equipment are protected to the appropriate standard. This coating contains solvents. Solvent vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Areas of storage, preparation and application should be ventilated to prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits.

**Conditions for safe storage, including any incompatibilities** Keep away from the following materials: oxidising agents, strong alkalis, strong acids. Avoid skin and eye contact. Avoid inhalation of vapours and spray mists. Observe label precautions. Use personal protection as shown in section 8. Smoking, eating and drinking should be prohibited in all preparation and application areas. Never use pressure to empty a container; containers are not pressure vessels.
Store in a well ventilated, dry place away from sources of heat and direct sunlight. Store on concrete or other impervious floor, preferably with bunding to contain any spillage. Do not stack more than 3 pallets high. Keep container tightly closed. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in the original container or one of the same material. Prevent unauthorised access. All sources of ignition (hot surfaces, sparks, open flames etc) should be excluded from areas of preparation and application. All electrical equipment (including torches) should be protected (Ex) to the appropriate standard. The product may charge electrostatically. Always use earthing leads when pouring solvents and transferring product. Operators should wear clothing which does not generate static (at least 60% natural fibre) and antistatic footwear; floors should be of conducting type.

## 8. Exposure controls/personal protection

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| Occupational Exposure Limits: | No value assigned for this specific material by Worksafe NZ. However, NZ Workplace Exposure Standard(s) for constituent(s): Isocyanates, all (as-NCO): TWA 0.02 mg/m³; STEL 0.07 mg/m³, These values apply to all isocyanates, including prepolymers, present in the workplace air as vapours, mist or dust. Xylene: TWA 50ppm, 217 mg/m³ |
| Biological Limit Values: | No biological limits allocated. |
| Engineering Control Measures: | Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Exposure Standards. Keep containers closed when not in use. Vapour heavier than air - prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapour may have collected. |
| Personal Protective Equipment: | Wear overalls, chemical goggles and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. |

## 9. Physical and chemical properties

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| Physical state: | Pale Yellow Liquid |
| Odour: | solvent-like |
| Odour Threshold: | not established |
| pH: | not applicable |
| Melting/Freezing point: | not established |
| Boiling point/boiling range: | 143 °C |
| Flash point: | 29 °C |
| Flammability (solid, gas): | not applicable |
| Upper/lower flammability or explosive limits: | 1.1 – 7.0 |
| Vapour pressure: | not established |
| Vapour density: | not established |
| Specific gravity: | 0.90 – 1.08 |
| Solubility: | immiscible in water |
| Partition coefficient (n−octanol/water): | not established |
| Auto-ignition temperature: | not applicable |
| Decomposition temperature: | not established |
| Kinematic viscosity: | not established |
| Particle characteristics: | not established |

## 10. Stability and reactivity

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| Stability: | Stable under normal conditions |
| Conditions to avoid: | Avoid contact with foodstuffs. Avoid exposure to heat, sources of ignition and open flame. Reacts with moisture |
| Incompatible materials: | Incompatible with oxidizing agents. |
| Hazardous decomposition products: | Fire will produce dense black smoke. Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen. Avoid exposure and use breathing apparatus as appropriate. |

## 11. Toxicological information

Data sourced from raw material SDSs and/or CCID.
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:

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| Ingestion: | Swallowing can result in nausea, vomiting and central nervous system depression. If the victim is showing signs of central system depression (like those of drunkenness) there is greater likelihood of the patient breathing in vomit and causing damage to the lungs. |
| Eye contact: | An eye irritant. |
| Skin contact: | Contact with skin may result in irritation. Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis. |
| Inhalation: | Material may be irritant to the mucous membranes of the respiratory tract (airways). May cause respiratory sensitization in sensitive individuals, producing asthma-like symptoms. Breathing in vapour can result in headaches, dizziness and possible nausea. Breathing in high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgment and if exposure is prolonged, unconsciousness. |
| Long term Effects: | No information available for the product. For the solvent evidence indicates that repeated or prolonged exposure to this chemical could result in central nervous system disorders. |
| Acute toxicity: | No LD50 data available for the product. The toxicity of the product may be attributed to the solvents it contains. |

Additive effects may occur with mixtures of solvents. Similar effects can occur where the consumption of alcohol is also involved. However, for constituent Hexamethylene diisocyanate homopolymer: Inhalation LC50 (rat) 18500 mg/kg
Hexamethylene diisocyanate: Inhalation dust/mist: LC50 30 mg/l, Oral LD50 (mouse) 350mg/kg, Dermal LD50 (rabbit) 593 mg/kg
Xylene: Oral, LD50 (mouse) 1590mg/kg, Inhalation, LC50 (rat) 27.6mg/L
1-methoxy-2-propyl acetate: Oral LD50 (rat) 8532mg/kg, Dermal LD50 (rabbit) 5000 mg/kg
1,2,5 Trimethylbenzene: Inhalation LC50 (rat) 18 g/m3/4h, Oral LD50 (rat) 3400 mg/kg, Dermal LD50 (rabbit) 3160 mg/kg
Solvent Naphtha: Oral LD50 (rat) 6800mg/kg, Dermal LD50 (rabbit) 3400 mg/kg

**Skin Corrosion/Irritation:**
This material has been classified as a Skin irritation, category 2 -Substances that are irritating to the skin.

**Eye Corrosion/Irritancy**:
This material has been classified as Eye irritation, category 2 -Substances that are irritating to the eye.

**Sensitisation**: Inhalation: Not classified
Skin: this material has been classified Skin sensitisation Category 1 -Substances that are contact sensitisers.

**Mutagenicity**: Not classified

**Carcinogenicity**: Not classified

**Reproductive toxicity (including via lactation)**: This material has been classified as reproductive toxicity Category 2, suspected of damaging fertility or the unborn child.

**Specific target organ toxicity (single exposure)**: This material has been classified as Specific Target Organ Toxcity (single exposure) Category 3 (respiratory system).

**Specific target organ toxicity (repeated exposure)**: This material has been classified as Specific Target Organ Toxcity (repeated exposure) Category 2

**Aspiration hazard**: Not classified

## 12. Ecological information

Avoid contaminating waterways. Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
For constituent:
1-methoxy-2-propyl acetate: Acute Toxicity – Fish: LC50 (Oncorhynchus mykiss): 134 mg/l/96h
Daphnia EC50 (Daphnia magna): 408 mg/l/48h, Algae ErC50 (Pseudokirchneriella subcapitata): >1000 mg/l/96h
Solvent Naphtha: Acute Toxicity – Fish: LC50 (Oncorhynchus mykiss): 9.22 mg/l/96h
Daphnia EC50 (Daphnia magna): 614 mg/l/48h, Algae ErC50 (Selenastrum capricornutum 19 mg/l/72h
Xylene Rainbow trout, EC50(96hr)3.3mg/L, Palaemonetes pugio(crustacea)EC50(48 hr)8.5 mg/L Skeletonema costatum (alga) EC50(72 hr) 10.0 mg/L

Ecotoxicity: No information available.
Persistence and degradability: No information available.
Bioaccumulative potential: No information available.
Mobility: No information available

## 13. Disposal considerations

Refer to Waste Management Authority. Advise flammable nature. Dispose of material through a licensed waste contractor. Normally suitable for incineration by an approved agent.

Empty container: Do not contaminate storm water with product or product washing. Do not pour product down the drain. Unwanted product should be brushed out on newspaper, allowed to dry and then disposed of via domestic waste collection. Empty containers should be left open in a well-ventilated area to dry out. When dry, recycle the container via recycling programmes. Disposal of empty paint containers via domestic recycling programmes may differ between local authorities. Check with your local council first.

## 14. Transport information

Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433: 2020 Transport of Dangerous Goods.


Road and Rail Transport
Classified as Dangerous Goods by NZS 5433 Transport of Dangerous Goods on Land.
UN No: 1263
Class-primary 3 Flammable Liquid
Packing Group: III
Proper Shipping Name: PAINT
Hazchem Code: 3Y

Marine Transport
Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.
UN No: 1263
Class-primary: 3 Flammable Liquid
Packing Group: III
Proper Shipping Name: PAINT

Air Transport
Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.
UN No: 1263
Class-primary: 3 Flammable Liquid
Packing Group: III
Proper Shipping Name: PAINT

Environmentally hazardous: No

## 15. Regulatory information

EPA Approval: HSR002662
Surface Coatings and Colourants (Flammable) Group Standard 2020

Certified Handler : Not required
Tracking: Not required
All ingredients are on the New Zealand Inventory of Chemicals (NZIoC), or exempt.

## 16. Other information

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Uroxsys Limited cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact Uroxsys Limited at the contact details on page 1.

While Uroxsys Ltd believes that the information contained herein is based on data considered accurate, no warranty or representation is expressed or implied for which Uroxsys Ltd assumes legal responsibility.

This version replaces all previous versions.

**Glossary**
EPA: Environmental Protection Authority (NZ)
WES: NZ Work Exposure Standard
TWA: Time Weighted Average
STEL: Short Term Exposure Limit
CCID: Chemical Classification & Identification Database (EPA)

END OF SDS