

## Safety Data Sheet – #100 VOC Primer

### 1. Identification

**Product Name:** #100 VOC Primer

**UN Number:** 1263

**Recommended Use:** Primer for water-proofing applications

**Proper Shipping Name:** PAINT RELATED MATERIAL

NZ Supplier:

**Name:** Marshall Innovations Ltd  
**Address:** 41 Hotuhotu Street  
 Tauriko  
 Tauranga 3110  
**Phone:** (07) 543 0948  
 0800 776 9727  
**Fax:** (07) 541 1029  
**Website:** www.mwnz.com

Manufacturer:

**Name:** Protecto Wrap Company  
**Address:** 1955 South Cherokee Street  
 Denver, CO 80223  
**Email:** info@protectowrap.com  
**Website:** www.protectowrap.com

**Emergency Contacts:** Emergency Services (Fire, Ambulance, Police) – Dial 111  
 National Poisons Information Centre – 0800 764 766 (0800 POISON)  
 Company Contact – 0800 776 9727

### 2. Hazard Identification

**Statement of Hazardous Nature:**

This preparation is classified as a health or environmental hazard according to the Hazardous Substances (Minimum Degrees of Hazard) Notice 2017.

Classified as a Dangerous Good according to NZS 5433.

**Hazard Classification:**

3.1B, 6.1E, 6.3A, 6.4A, 6.8B, 6.9B, 9.1D, 9.3C

**Hazard Statements:**



**DANGER**

Highly flammable liquid and vapour.  
 May be harmful if swallowed. May be harmful in contact with skin.  
 Causes skin irritation. Causes serious eye irritation.  
 Suspected of damaging fertility or the unborn child.  
 May cause damage to organs (central nervous system) through prolonged or repeated exposure through ingestion or inhalation.  
 May cause drowsiness or dizziness.  
 Harmful to aquatic life. Harmful to terrestrial vertebrates.

**Prevention Statements:**

Keep out of reach of children.  
 Read label and safety data sheet before use.  
 Obtain special instructions before use.  
 Do not handle until all safety precautions have been read and understood.  
 Keep away from heat, sparks, open flames and hot surfaces. No smoking.  
 Keep container tightly closed.  
 Ground/bond container and receiving equipment.  
 Use explosion-proof electrical / ventilating / lighting equipment.  
 Take precautionary measures against static discharge.  
 Do not breathe mist / vapours / spray.  
 Wash hands thoroughly after handling.  
 Use only outdoors or in a well-ventilated area.  
 Avoid release to the environment.  
 Wear protective gloves and eye / face protection.

### 3. Composition & Information on Ingredients

Ingredient	CAS Number	Concentration (%)
Xylene	1330-20-7	38
Acetone	67-64-1	26
<i>Non-hazardous components</i>		
Resins and polymers	-	36

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## 4. First Aid Measures

IF MEDICAL ADVICE IS NEEDED, HAVE PRODUCT CONTAINER OR LABEL AT HAND.

If exposed or concerned, or you feel unwell, seek medical advice.

New Zealand Poisons & Hazardous Chemicals National Information Centre  
phone 0800 POISON – 0800 764 766

**Skin:** IF ON SKIN (or hair), remove all contaminated clothing immediately. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation occurs, seek medical advice.

**Eyes:** 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, seek medical attention.

**Ingestion:** IF SWALLOWED, rinse mouth with water. Do NOT induce vomiting. Call a POISON CENTRE or doctor if you feel unwell.

**Inhalation:** IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor if you feel unwell.

**Advice to Doctor:** Treat symptomatically.

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## 5. Fire Fighting Measures

**Flammability:** Highly flammable liquid and vapour. Vapours are heavier than air and will travel along surfaces to remote ignition sources and flash back. Closed containers may explode if exposed to extreme heat.

**Extinguishing media:** Use carbon dioxide, universal foam, dry chemical or water fog. Do not use water stream. Use water to cool exposed containers and structures.

**Hazardous Combustion products:** Oxides of carbon and nitrogen, acrolein, ketones, benzaldehydes and aldehydes.

**Firefighting instructions:** Firefighters should wear positive pressure, self-contained breathing apparatus and full protective clothing. Do not allow run-off from firefighting to enter drains or water courses.

**Explosion data (sensitivity to mechanical impact or static discharge):** Flammable vapours may be ignited by static spark. Mechanical impact may rupture aerosol containers releasing flammable gases and vapours.

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## 6. Accidental Release Measures

**Spills:** Remove all sources of ignition. Keep unauthorised personnel away. Do not touch or walk through spilled material. Stop leak if safe to do so. Ventilate area with explosion-proof equipment if natural ventilation is inadequate. Wear appropriate protective clothing as described in Section 8.

Absorb spill with earth, sand or other non-combustible material. Use clean, non-sparking tools to collect material and place it in loosely covered metal or plastic containers for later disposal. Prevent spill from entering storm water and sewer drains and watercourses.

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## 7. Handling & Storage

### Safe Handling

Keep out of reach of children.

Before use carefully read the product label.

Avoid contact with the eyes, skin and clothing.

Do NOT breathe mist / vapours / spray.

Use only outdoors or in a well-ventilated area.

Wear protective clothing and equipment as described in Section 8.

Observe good personal hygiene, including washing hands thoroughly after handling.

Keep container tightly closed when not in use.

Keep product away from heat, sparks, open flames and all other sources of ignition. Do not permit smoking in use or in storage areas.

Use with non-sparking tools and explosion-proof equipment. Ground/bond container and receiving equipment when pouring bulk quantities. Take precautionary measures against static discharge.

**Do not** cut, drill, grind or weld on or near containers, even empty containers. Empty containers retain product residues can be hazardous. Follow all SDS precautions when handling empty containers. Prohibit eating, drinking and smoking in work areas.

Certified Handler: Not Required

### Storage

Do not store above 49°C. Store in a dry, well ventilated area away from heat, direct sunlight, all sources of ignition and foodstuffs. Store locked up.

Ensure containers are labelled, protected from physical damage and sealed when not in use.

Do not store nearby oxidisers and acids.

## 8. Exposure Controls & Personal Protection

### Exposure Standards

#### **Workplace Exposure Standards (WES):**

No exposure standards have been set for this product. Exposure limits for ingredients are listed below.

Ingredient	CAS Number	TWA	STEL
Acetone	67-64-1	500 ppm 1,185 mg/m <sup>3</sup>	1,000 ppm 2,375 mg/m <sup>3</sup>
Xylene	1330-20-7	50 ppm 217 mg/m <sup>3</sup>	

Data source: *Workplace Exposure Standards and Biological Indices (11<sup>th</sup> Edition, Nov 2019, WorkSafe)*

### Biological Exposure Indices

Ingredient	Determinant	Sampling Time	BEI
Acetone	Acetone in urine	End of shift	50 mg/L
Xylene	Methylhippuric acid in urine	End of shift	1.5 g/L

Data source: *Workplace Exposure Standards and Biological Indices (11<sup>th</sup> Edition, Nov 2019, WorkSafe)*

### Engineering Controls

**Ventilation:** Use only outdoors or in a well-ventilated area. Use with adequate local exhaust ventilation to maintain exposures below the occupational exposure limits. Use only explosion-proof ventilating equipment.

### Personal Protection (PPE)

Wear protective gloves and eye/face protection. Use following personal protective equipment as required.

**Eyes/Face:** Splash resistant Safety Glasses with side shields or safety goggles (AS/NZS 1337).

**Skin:** Wear gloves that are impermeable and resistance to the product. Suitable glove materials include Teflon and Viton Butyl. Consult your glove supplier for additional information on glove selection.

**Respiratory:** If the exposure limits are exceeded, an approved respirator appropriate for the form and concentration of the contaminants should be used. Respirators must comply with AS/NZS 1716 and maintained in accordance with AS/NZS 1715. Respiratory protection may be advisable when cleaning spills.

**Other:** Wear impervious clothing as needed to prevent contact. A safety shower and eye wash should be available in the immediate work area.

## 9. Physical & Chemical Properties

**Appearance:** Black, opaque liquid.

**Odour:** Solvent odour (xylene)

**pH:** Not available.

**Boiling point:** 56°C (acetone)

**Melting point:** No data available.

**Bulk density:** 7.28 lbs/gal

**Solubility (water):** Partially

**Flash point:** <5°C (acetone)

**Autoignition Temp:** No data available.

**Lower Flammability Limit (LEL):** 1.1% (xylene)

**Upper Flammability Limit (UEL):** 12.8% (acetone)

**Evaporation rate:** 11.6 (acetone) (n-butyl acetate = 1)

**Vapour pressure:** 180 mm Hg @ 25°C (acetone)

**Vapour density:** 3.6 (xylene)

**Viscosity (dynamic):** Not available.

**VOC content:** 333 g/L

## 10. Stability & Reactivity

**Stability:** Stable under normal conditions of use and storage.

**Conditions to avoid:** Keep product away from heat, sparks, flames and all other sources of ignition.

**Incompatible Materials:** Strong acids and oxidisers.

**Hazardous decomposition products:** Oxides of carbon and nitrogen, acrolein, ketones, benzaldehydes and aldehydes.

**Hazardous polymerisation:** Will not occur.

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## 11. Toxicological Information

### Health Effects / Symptoms of Exposure

#### **Acute Exposure:**

**Skin:** May be harmful in contact with skin. Causes skin irritation. Repeated or prolonged contact may cause irritation, drying and defatting. The liquid may be absorbed through the skin causing effects similar to those described under inhalation and ingestion.

**Eyes:** Causes serious eye irritation.

**Ingestion:** May be harmful if swallowed. Ingestion may cause mucous membrane and gastrointestinal irritation and nervous system depression with symptoms of headache, dizziness, nausea, narcosis and unconsciousness.

**Inhalation:** Inhalation of vapours may cause mucous membrane and respiratory irritation and central nervous system depression with symptoms of headache, dizziness, nausea, vomiting, disorientation, stupor and unconscious. Severe overexposures may cause respiration depression and death.

#### **Chronic Exposure:**

**Respiratory or Skin sensitisation:** This product is not expected to cause sensitization.

**Mutagenicity:** Xylene and acetone have tested positive for mutagenicity in some test systems.

**Carcinogenicity:** . No ingredient in this product present at greater than 0.1% is listed as a carcinogen by NTP, IARC, or OSHA.

**Reproductive Toxicity:** Suspected of damaging fertility or the unborn child.

**Specific Target Organ Toxicity:** May cause damage to organs (central nervous system) through prolonged or repeated exposure through ingestion or inhalation. May cause drowsiness or dizziness.

**Aspiration Hazard:** Aspiration into the lungs during ingestion or vomiting may cause serious lung damage which may be fatal.

**Other information:** Prolonged overexposure may cause cardiac sensitization, effects on hearing and damage to the nervous system, blood system, liver and kidneys. Xylene has been found to cause adverse reproductive effects and/or birth defects in studies with laboratory animals. No synergistic products are specifically known. Products containing chemicals that effect the same target organ systems would be expected to have synergistic effects; for example, other solvent containing products.

**Medical conditions aggravated by exposure:** Employees with pre-existing skin, liver and kidney disease may be at increased risk from exposure.

### Toxicological Data

No data available for this product as a whole. Toxicological data below is for individual ingredients.

Xylene	LD50 (Oral, Mouse) =	1,590 mg/kg
	LC50 (Inhalation, Rat) =	27.6 mg/L (6350 ppm)
Acetone	LD50 (Oral, Mouse) =	3,000 mg/kg

Data source: *Chemical Classification and Information Database*

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## 12. Ecological Information

Harmful to aquatic life. Harmful to terrestrial vertebrates.

**Persistence in environment:** No data available.

**Biodegradability:** No data available.

**Mobility:** No data available.

### Ecotoxicological Data

No data available for this product as a whole. Data below is for individual ingredients.

Xylene	LC50 ( <i>Palaemonetes pugio</i> , 48-hr) =	8.5 mg/L
	LC50 ( <i>Oncorhynchus mykiss</i> , 96-hr) =	3.3 mg/L
	LC50 ( <i>Skeletonema costatum</i> , 72-hr) =	10 mg/L
	LD50 (Oral, Mouse) =	1,590 mg/kg

Data source: *Chemical Classification and Information Database*

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## 13. Disposal Considerations

Product is hazardous. Do not allow into drains, sewers or watercourses. Bulk or contaminated product must be disposed of through an approved hazardous waste contractor. Disposal waste contractors must comply with the New Zealand Hazardous Substances (Disposal) Notice 2017. Containers to be disposed of as hazardous waste. Containers may only be recycled if clean and free of residue so as to be non-hazardous.

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## 14. Transport Information

Classified as a Dangerous Good according to NZS 5433:2007

**Proper Shipping Name:** PAINT RELATED MATERIAL

**UN Number:** 1263

**DG Class:** 3

**Subsidiary Risk:** N/A

**Packing Group:** II

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## 15. Regulatory Information

### HSNO Approval

**HSNO Group Standard:** Surface Coatings and Colourants (Flammable) Group Standard 2017 – HSR002662

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## 16. Other Information

### Abbreviations / Terminology:

AS/NZS	Joint Australian New Zealand Standard
AS/NZS 1337	Personal eye-protection
AS/NZS 1715	Selection, use and maintenance of respiratory protective equipment
AS/NZS 1716	Respiratory protective devices
BEI	Biological Exposure Indices
CAS#	Chemical Abstract Service number (a unique identifier for chemicals)
HSNO	(New Zealand) Hazardous Substances and New Organisms Act
IARC	International Agency for Research on Cancer
LC50	Median lethal concentration, being a statistically derived concentration of a substance that can be expected to cause death in 50 percent of organisms.
LD50	Median lethal dose, being a statistically derived single dose of a substance that can be expected to cause death in 50 percent of animals.
NTP	National Toxicology Program
NZS 5433	Transport of Dangerous Goods on Land
OSHA	Occupational Safety and Health Administration
TWA	Time Weighted Average
STEL	Short-Term Exposure Limit
WES	Workplace Exposure Standard

Prepared with reference to: *Hazardous Substances (Safety Data Sheets) Notice 2017*.

**Current Version:** 14 May 2020

### Revision Information:

SDS may be revised from time to time, please ensure you have a current copy.

This revision: Updated overseas SDS to meet New Zealand requirements.

Previous revision dated: September 2019

### Disclaimer:

This safety data sheet attempts to describe as accurately as possible the potential exposures associated with normal use of the product described herein. Health and safety precautions in the data sheet may not be adequate for all individuals and/or situations. Users have the responsibility to evaluate and use this product safely and to comply with all applicable laws and regulations.

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--END OF SDS