

# SAFETY DATA SHEET



SDS NO: 4023

## 1. IDENTIFICATION OF THE PRODUCT AND COMPANY

### Product Details:

Product Name	Enviroseal
Other Names(s)	
Recommended Use	Driveway and Paving Sealer
Product Code	MPTES
DG Class/es	3,6,9
UN No:	1263

### Supplier Details:

Company	APCO COATINGS (NZ) LIMITED
Address	14 Ron Driver Place, East Tamaki, Auckland 2163, New Zealand
Telephone	09 273 3041
Fax	09 273 3045
E Mail	<a href="mailto:contact@apconz.co.nz">contact@apconz.co.nz</a>
Web	<a href="http://www.apcocoatings.co.nz">www.apcocoatings.co.nz</a>

### Emergency Telephone Numbers:

NZ POISON	0800 POISON (0800 764 766)
CHEMWATCH	0800 CHEMCALL (0800 243 622)
NZ Emergency Services	111

## 2. HAZARD IDENTIFICATION

### Hazard Classification of the mixture:

#### Hazchem Category:

3.1B,3.1C,6.1D,6.1E,6.3A,6.3B, 6.4A,6.5B, 6.7A,6.7B,6.8B,6.9B,9.1B,9.1D,9.3C

**GHS Classification & Legend:** Information extracted from the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) and the HSNO Act equivalent

**Determined By Chemwatch us-Inf:** No information at hand

#### GHS/HSNO Criteria:

HSNO-Physical 3.1B Substance is harmful through combustion

- GHS Category 2

HSNO-Physical 3.1C Substance is harmful through combustion

- GHS Category 3

HSNO-Health 6.1D Substance is toxic if exposed through the skin, ingested or inhaled.

- GHS Category 4

HSNO-Health 6.1E Substance is toxic if exposed to the skin, ingested or inhaled

- GHS Category 5

HSNO-Health 6.3A, Substance can cause corrosion/irritation to the skin

- GHS Category 2

HSNO-Health 6.3B, Substance may cause irritation and is corrosive to the skin

- GHS Category 3

HSNO-Health 6.4A, Substance that is irritating to the eyes.

- GHS Category 2A-2B

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- HSNO-Health 6.5B, Substance can cause sensitisation to the skin
- GHS Category 1
- HSNO-Health 6.7A, Substance is harmful as a carcinogen and may cause cancer
- GHS Category 1A and 1B
- HSNO-Health 6.7B, Substance is harmful as a carcinogen and may cause cancer
- GHS Category 2
- HSNO-Health 6.8B, Substance is toxic to reproductive systems
- GHS Category 2
- HSNO-Health 6.9B, Substance is toxic to specific organs through a single exposure
- GHS Category 2
- HSNO-Health 9.1B, Substance is toxic to the aquatic environment
- GHS Category 2
- HSNO-Health 9.1D, Substance is toxic to the aquatic environment
- GHS Category 2, 3 and 4
- HSNO-Health 9.3C, Substance is toxic to terrestrial vertebrates
- GHS Category N/A

## Visible Identification:

GHS  
Label:



**Danger Keep out of the reach of Children.**

## Hazard Statement:

As of March 2009, the relevant New Zealand regulations under the [Hazardous Substances and New Organisms Act 1996](#) do not specify the exact wording required for hazard statements. The following hazards recognised by the GHS apply to this product with the severity dependant on the exposure levels:

### Physical Hazard(s)

- H225: Highly flammable liquid and vapour.
- H226: flammable liquid and vapour

### Health Hazard(s)

- H302: Harmful if swallowed.
- H304: Maybe fatal if swallowed and enters the airways
- H311: Harmful in contact with skin
- H312: Harmful in contact with skin
- H312 Harmful in contact with skin
- H315 Causes skin irritation
- H319 Causes serious eye irritation
- H332: Harmful if inhaled
- H336: May cause drowsiness or dizziness
- H337: May cause an allergic skin reaction
- H350: May cause cancer
- H351 Suspected of causing cancer
- H361 Suspected of damaging fertility or the unborn child

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- H361d: Suspected of damaging the unborn child
- H373: May cause damage to organs through prolonged or repeated exposure

## Environmental Hazard(s)

- H402: Harmful to aquatic life
- H412: Harmful to aquatic life with long lasting effects
- H433: Harmful to terrestrial vertebrates

## 3. COMPOSITION / INFORMATION OF INGREDIENTS

Components	CAS Number	Proportion
Acrylic Copolymer		14-22%
Xylene	1330-20-7	36-64%
Ethyl Benzene	100-41-4	3.5-6.5%
Solvent naphtha (petroleum) light aromatic	64742-95-6	20-25%
Solvent naphtha (petroleum) medium aliphatic	64742-88-7	1-5%
1,2,4 Trimethylbenzene	95-63-6	7-10%
Mesitylene	108-67-8	<3%
Cumene	98-82-8	<2%

## 4. FIRST AID MEASURES

### First Aid Measures:

#### Eye Contact

Immediately flush eyes with plenty of water and remove contacts where possible, ensure that the eyes are flushed for 20 minutes with the eyes wide open. **If the person feels unwell or irritation persists then take those exposed to the doctor.**

#### Skin Contact

Immediately wash affected area on the skin with soap and water for 20 minutes and ensure clothing and footwear is removed immediately if possible. **Seek medical advice if large areas of skin are involved or irritation persists.**

#### Inhalation

Exposure to high vapor concentrations may cause eye and respiratory tract irritation, headaches, dizziness, nausea, uncoordination, drowsiness, and loss of consciousness. Immediately remove the person to a fresh air environment away from harm. **If their breathing is difficult give them oxygen and or give cardiopulmonary Resuscitation if breathing has stopped, if breathing difficulties persist take them to the doctor immediately.**

#### Ingestion (Swallowed)

Keep the victims head below their hips while vomiting. **Never give anything by mouth to an unconscious person. seek medical advice immediately**

**Advice to Doctors:** Treat according to symptoms. Causes central nervous system depression.

### Emergency overview:

- May be toxic if absorbed through the skin or inhaled

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- May cause severe eye and skin irritation.
  - May cause respiratory tract sensitisation.

## 5. FIRE FIGHTING MEASURES

### Hazards from combustion products:

- This Product is flammable with a flashpoint of 25°C
- Liquid and vapours are highly flammable
- Vapour is heavier than air, spreads along the ground and distant ignition is possible
- Do not breathe smoke, gases or vapours generated in a fire. Expansion or decomposition of containers may lead to rupture of containers

### Extinguishing Media:

- Alcohol-resistant foam ( preferred) if this is not available normal foam can be used.
- carbon dioxide (CO<sub>2</sub>)
- dry chemical

**Do not use water jets**

### Precautions in connection with fire:

- Fire Fighters should wear protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode.
- In case of fire the product maybe violently or explosively reactive.
- Use water spray to disperse vapours

Do not allow run off from firefighting to enter drains or water courses, Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

## 6. ACCIDENTAL RELEASE MEASURES

### Emergency Procedure:

Clear area of all unprotected personnel and eliminate all ignition sources notify the local authorities where contamination of sewers or waterways has occurred, advise emergency services.

- Wear full protective equipment and respirators to prevent exposure
- If inhalation risk exists, wear full protective clothing and operate SCBA in positive pressure mode.
- Remove all people from the spill area.

### Large amounts:

- Do not allow the product to enter drains,sewers or waterways. Dike and soak up with inert material such as dry sand, vermiculite.
- Remove liquid to sealed containers for recovery using non sparking tools and equipment and separate inert material to containers away from the recovered liquid.
- Ensure the clean up of this material in accordance with local authority bylaws.

### Disposal and cleaning of equipment:

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- Dispose of waste generated from the clean up of this material in accordance with local authority bylaws.
- All cleaning aides and equipment must be cleaned without letting the waste run into waterways, drains and sewers etc.

## Methods and materials for containment and clean up:

- Dispose of waste generated from the clean up of this material in accordance with local authority bylaws.
- All cleaning aides and equipment must be non sparking can be cleaned with water.

## 7. HANDLING AND STORAGE

### Precautions for safe handling:

Avoid contact with eyes and skin. Wear overalls, impervious gloves and safety glasses.

- Read product label before use.
- This product and vapours are highly flammable.
- Do not open near open flame, sources of heat or ignition.
- No smoking.
- Keep container closed and Handle containers with care.
- Open slowly to control possible pressure release.
- Material will accumulate static discharge so use grounding leads to avoid discharge (electrical spark) spark-free tools and equipment suitable for flammables.
- Do not use plastic buckets.
- Use outdoors or in well-ventilated area.
- Wear personal protective equipment.
- Wash hands with soap and water after handling.
- Wash protective clothing separate to household laundry.

### Conditions for safe storage:

- Keep out of reach of children.
- This product will fuel a fire ,Do not store near acids and keep away from oxidising agents
- Store in cool, dry, well ventilated place and out of direct sunlight  
Keep container tightly closed.
- Store at room temperature-do not freeze
- Keep away from heat and sources of ignition.
- Segregate from food and feed sources
- Avoid release to the environment.
- Do Not contaminate drinking water, through storage or disposal.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Health Exposure Standards:

**Note:** Not available in WES

Source	Material Name	TWA	STEL	Peak	Notes
New Zealand Workplace Exposure Standards (WES)	xxxxx	xxxx	xxxx	xxx	xxxxx

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## Note:

**Exposure Controls:** Personal Protective Equipment: Respiratory Protection: It is recommended to use a half-face filter mask to protect from over exposure by inhalation. A type "A" filter material is considered suitable for this product. Where concentrations in air may exceed the limits described in the Workplace Exposure Standards, use an appropriate positive pressure SCBA

**Eye Protection:** Protect eyes from splashes or vapour. It is recommended safety glasses with side shields or goggles be worn.

**Skin/ Body Protection:** Wear chemical resistant gloves if any risk of contact with liquid. It is also recommended to wear long sleeves and long trousers or coveralls, and chemical resistant shoes or boots.

**Exposure Controls:** wear the appropriate PPE

Personal  
Protection



## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, colourless liquid
Odour	Solvent odour
Solubility in water (g/l)	immiscible
Flash Point (°C)	25°C
Boiling Point (°C)	No data available
Melting point / freezing point (°C)	No data available
Vapour Pressure	No data available
Specific Gravity (Kg/Ltr)	0.86-0.96
% of Volatile (wt)	No data available
pH	Not applicable
VOC (g/l)	No data available

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable at room temperature and pressure.

**Conditions to avoid:** Sources of heat and ignition, open flames. Do not store near strong oxidising agents

**Hazardous decomposition products:** No decomposition products except on burning. See "Fire Fighting Measures" and "Hazardous Reactions".

**Hazardous reactions:** Strong oxidizing agents, strong acids.

**Hazardous polymerization:** Not known to occur.

**Reactivity:** There is a possibility of hazardous reactions.

**Conditions to avoid:** Store away from, heat, flames and sparks. Do not store near strong oxidising agents

**Incompatible materials:** Avoid contact with strong oxidising agents and acids.

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## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects:

**Acute Effects:** Ingestion May be harmful if swallowed. Aspiration into the lungs by ingestion or vomiting may result in chemical pneumonitis.

**Eye Contact:** Irritating to eyes with possible symptoms of redness, swelling, burning sensation and blurred vision.

**Skin Contact:** Harmful and irritating to skin. Prolonged or repeated exposure may cause dermatitis and will increase risk of dryness and cracking of skin.

**Inhalation:** Vapour may be irritating to nose and throat. Exposure to high concentrations over an extended time will result in headaches, dizziness and drowsiness and other adverse central nervous system effects.

**Chronic Effects:** Causes central nervous system depression. Severe exposure may cause blurred vision, tremors, shallow and rapid breathing, delirium and unconsciousness. Prolonged or repeated exposure may affect liver and kidneys.

**Toxicity:** Exposure to high vapor concentrations may cause eye and respiratory tract irritation, headaches, dizziness, nausea, uncoordination, drowsiness, and loss of consciousness may occur.

**Environmental hazard:**

Harmful to aquatic life and also terrestrial vertebrates

## 12. ECOLOGICAL INFORMATION

### Large amounts:

Do not allow the product to enter drains, sewers or waterways. Dike and soak up with inert material such as dry sand, vermiculite. Remove liquid to containers for recovery and separate inert material to containers using non spark equipment and away from the recovered liquid. Ensure the clean up of this material in accordance with local authority bylaws.

### Disposal and cleaning of equipment:

Care should be taken to ensure compliance with national, regional and local authority regulations. Packaging may still contain vapours that are flammable. Ensure that empty packaging is allowed to dry. If not recycled, puncture and crush before disposal to landfill. Do not use container for storage of other products. Dispose of product through waste management facility for solvent recovery or disposal

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods:

Dispose of waste generated from the clean up of this material in accordance with local authority bylaws. Ensure that licenced contractors and or approved handlers dispose of the product and its containers.

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## 14. TRANSPORT INFORMATION

Required visible identification (Labels):



HAZCHEM

3YE

### Land Transport (UN):

UN Number	1263
Packing Group	III
UN proper shipping name	Liquid filler
Environmental hazard	Follow spill information clause (6)
Sub Classes	Not Applicable
Transport hazard class(es)	Classes 3,6 and 9 must comply with the Rail Land Transport Rule 45001/1 & NZS 5433:2007
Special precautions	Not Applicable

### Air Transport (ICAO-IATA / DGR):

UN Number	1263
Packing Group	III
UN proper shipping name	Liquid filler
Environmental hazard	Follow spill information clause (6)
Sub Classes	Not applicable
Transport hazard class(es)	Classes 3,6 and 9 must comply with AirCivil Aviation Rule Part 92, ICAODangerous Goods NZ and International
Special precautions	Not Applicable

### Sea Transport (IMDG-Code / GGV See):

UN Number	1263
Packing Group	III
UN proper shipping name	Liquid filler
Environmental hazard	Follow spill information clause (6)
Sub Classes	Not Applicable
Transport hazard class(es)	Classes 3,6 and 9 must comply with Sea Maritime Rule 24A and IMDG Dangerous Goods NZ and International
Special precautions	Not Applicable

## 15. REGULATORY INFORMATION

### Reference material:

- EPA January 2012 EPA0094, Labelling of hazardous substance.
- EPA January 2012 EPA0125, Correlation between GHS and New Zealand HSNO Hazard Classes and Categories.
- HSNO act 1996 and Dangerous Goods 2005 and all subsequent amendments.
- Workplace Exposure Standards for Airborne contaminants (ISBN 978-1-74361-055-8) Online pdf



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- Health and Safety at Work Act 2015 and the Health and Safety at work Regulations 2016
- Sea Maritime Rule 24A and IMDG Dangerous Goods NZ and International
- AirCivil Aviation Rule Part 92, ICAODangerous GoodsNZ and International
- Rail Land Transport Rule 45001/1 & NZS 5433

## 16. OTHER INFORMATION

### Definitions and abbreviations:

<b>CAS No</b>	Chemical Abstract Number
<b>ERMA</b>	Environmental Risk Management Authority
<b>PC-TWA</b>	Permissible Concentration – Time Weighted Average
<b>PC-STEL</b>	Permissible Concentration – Short Term Exposure Limit
<b>HSNO</b>	Hazardous Substance and New Organisms
<b>WES</b>	Workplace Exposure Standard
<b>TEEL</b>	Temporary Emergency Exposure Limit
<b>IDLH</b>	Immediately Dangerous to Life or Health Concentrations
<b>OSF</b>	Odor Safety Factor
<b>NOAEL</b>	No Observed Adverse Effect Level
<b>LOAEL</b>	Lowest Observed Adverse Effect Level
<b>TLV</b>	Threshold Limit Value
<b>LOD</b>	Limit Of Detection
<b>OTV</b>	Odor Threshold Value
<b>BCF</b>	BioConcentration Factors
<b>BEI</b>	Biological Exposure Index
<b>STEL</b>	Short Term Exposure Limit

### Note:

The information in this SDS was obtained from sources, which we believe were reliable at the time of creating this SDS. However, the information is provided without any presentation or warranty, expressed or implied, regarding its accuracy. The information and recommendations herein, are to the best of our knowledge, true and accurate. No Warranty, express or implied is made or intended.