

SAFETY DATA SHEET

SDS NO: 9073



1. IDENTIFICATION OF THE PRODUCT AND COMPANY

Product Details:

Product Code

Product Name

WB Roadmarking Paint

Waterborne roadmarking paint

Description:

Water based environment friendly general purpose acrylic roadmarking paint. designed specifically to meet the requirements of road marking on concrete and bitumen. Dries quickly with excellent early wash out resistance and weatherability. Product is formulated to suit the application commonly practiced for road marking.

Available in White and standard range of including Red, Yellow, Green, Blue and Clear and tinted to custom colours as required (MTO request).

APCO WB Road Marking Paint for:

Recommended Use

- Road & line marking
- Concrete and bituminous surfaces
- Pavements
- Car parks
- Shopping Centres
- Factories
- Warehouse lines and floors

UN No:

Not Regulated for Transport of Dangerous Goods

HAZCHEM:

Not applicable

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

contact@apconz.co.nz

Web

www.apcocoatings.co.nz

Emergency Telephone Numbers:

NZ POISON

0800 POISON (0800 764 766)

CHEMWATCH

0800 CHEMCALL (0800 243 622)

NZ Emergency Services

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2. HAZARD IDENTIFICATION

Hazard Classification of the mixture:

Hazard Classification:

Classified as hazardous according to HSNO New Zealand 2008 criteria.

Hazchem Category:

Not Determined

GHS Classification & Legend:

Information extracted from the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) and the New Zealand HSNO Act equivalent.

Determined By Chemwatch us-Inf: No information at hand

Signal Word:

Warning

HSNO Classification:

6.1D (oral)

6.1E (dermal, oral)

6.3A Irritating to the skin.

6.4A Irritating to the eye.

6.5B May cause an allergic skin reaction.

8.3A Corrosive to ocular tissue.

9.1A Very ecotoxic in the aquatic environment.

9.1B Very toxic to terrestrial invertebrates.

9.1C Substances that are harmful in the aquatic environment.

9.1D Toxic to aquatic life, Harmful to aquatic life,

May cause long lasting harmful effects to aquatic life.

Visible Identification:

HSNO
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

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Physical Hazard(s)

Not applicable

Health Hazard(s)

Hazard Statements:

H301 Toxic if swallowed.
H302 Harmful if swallowed.
H303 May be harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation
H340 May cause genetic defects.
H351 Suspected of causing cancer.
H360FD May damage fertility. May damage the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure. Route of exposure:
H400 Very toxic to aquatic life.
H402 Harmful to aquatic life.
H410 Very toxic to aquatic life with long lasting effects
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.(Crustacean)

Prevention:

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P210 Keep away from heat/sparks/open flames/hot surfaces.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P260 Do not breathe dust, fume, gas, mist, vapours or spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.

P302+P352 IF ON SKIN: Wash with plenty of water.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+340+312- IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor/physician if you feel unwell.

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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes
P310 Immediately call a POISON CENTER or doctor/physician.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P321 Specific treatment (see:- product label and Section 4 in SDS).
P331 Do NOT induce vomiting.
P332+P313 If skin irritation occurs: 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.
P362 Take off contaminated clothing and wash before reuse

P370+P378 In case of fire: Use water fog/spray, carbon dioxide, dry chemical, or alcohol resistant foam, for extinction.

Storage:

P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up

Disposal:

P501 Dispose of contents/container in accordance with local/regional/or national regulations.

In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided. See Section 13 for disposal details.

Dispose of contents/container in accordance with local/regional/national/international regulations. Do not reuse the container for any other purpose. Dispose of in accordance with applicable laws and regulations.

Enviromental Hazard(s)

H410 Very toxic to aquatic life with long lasting effects
H412 Harmful to aquatic life with long lasting effects.(Crustacean)
H402 Harmful to aquatic life.

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3. COMPOSITION / INFORMATION OF INGREDIENTS

Components	CAS Number	Proportion
Water	7732-18-5	20 - 30%
Pigments/Extenders		20 - 30%
Acrylic Emulsions		50 - 60%
Coalescing Solvents		<3%
Additives		<3%
Biocides		< 0.2%

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 15 minutes with the eyes wide open. If the person still 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)	If swallowed, do NOT induce vomiting. Rinse mouth. Get medical attention. If spontaneous vomiting occurs, hold patients head below hips to avoid possible aspiration of vomitus into lungs. Never give anything by mouth to an unconscious person. seek medical advice immediately

Advice to Doctors:

Treat according to symptoms. Repeated or prolonged exposure by inhalation to mixed hydrocarbons may result in dizziness, weakness, irritability, lack of concentration and memory loss, tremor of extremities, e.g. fingers, weight loss, anemia, ill-effects to liver and kidneys.

Emergency overview:

For advice in an emergency, contact the Poisons Information Centre or **if breathing difficulties are acute take those affected to the doctor or A&E immediately.**

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5. FIRE FIGHTING MEASURES

Hazards from combustion products:

Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide, carbon dioxide and oxides of nitrogen.

Extinguishing Media:

Water fog, water spray, dry chemical, foam, carbon dioxide

Precautions in connection with fire:

Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. In case of fire the product may be violently or explosively reactive. Use water spray to disperse vapours. This product should be prevented from entering drains and water courses.

6. ACCIDENTAL RELEASE MEASURES

Clear area of all unprotected personnel and notify the local authorities where contamination of sewers or waterways has occurred advise emergency services. Wear full protective equipment and respirators where mist or vapors exist in unknown quantities.

- If inhalation risk exists, use local exhaust ventilation.
- Vapours are heavier than air.
- Place a barrier between the workers and the hazard.

Large amounts:

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

Disposal and cleaning of equipment:

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, tools used to clean up must be non sparking.

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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 and cleaned in accordance with national, regional and local authority bylaws

7. HANDLING AND STORAGE

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

Precautions for safe handling:

- Read product label before use.
- Keep container closed and Handle containers with care.
- Open slowly to control possible pressure release.
- 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.
- 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:Not available in NZ WES

Source	Material Name	TWA	STEL	Peak	Notes
New Zealand Workplace Exposure Standards (WES)	XXXXX	XXXX	XXXX	XXX	XXXXX

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Exposure Controls: wear the appropriate PPE

Personal Protection



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, White or Coloured, viscous liquid
Odour	Neutral / Slightly Fishy Odour
Solubility in water (g/l)	Dispersible
Flash Point (°C)	Not available
Boiling Point (°C)	Not available
Melting point / freezing point (°C)	Not available
Vapour Pressure (Pa) at 20degC	Not available
Specific Gravity (Kg/Ltr)	1.2 – 1.3
% of Volatile (wt)	50 – 60%
pH	9.0 – 10.0
VOC (g/l)	Not Determined

10. STABILITY AND REACTIVITY

- **Chemical Stability:** Stable under normal conditions of storage and handling
- **Hazardous reactions:** this product has no identifiable reactive properties
- **Conditions to avoid:** Store in a well vented area

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Ingestion:

may cause vomiting and aspiration into lungs and cause chemical pneumonitis or pulmonary oedema. If swallowed, symptoms may include headaches, nausea, dizziness and tracheal burning.

Eye Contact:

This product may be irritating to the eyes resulting in tearing and redness and can damage eye tissue.

Skin Contact:

This product can be corrosive to the skin. Prolonged or repeated exposure may defat skin leading to drying, cracking and serious burns to the skin.

Inhalation:

Vapours may cause discomfort or irritation to the upper respiratory tract. Symptoms of over-exposure may be coughing, choking, wheezing, difficulty in breathing, drowsiness and dizziness.

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Chronic Effects:

Repeated or prolonged exposure by inhalation to mixed hydrocarbons may result in dizziness, weakness, irritability, lack of concentration and memory loss, tremor of extremities, e.g. fingers, weight loss, anemia, ill-effects to liver and kidneys. Auditory system effects may include temporary hearing loss and/or ringing in the ears.

Toxicity:

This product is suspected of damaging fertility or the unborn child. In addition it may cause damage to organs through prolonged or repeated exposure.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Do not discharge product to sewer, drains or waterways.

Aquatic toxicity:

This product has been classified as being toxic to aquatic life with long-term effects.

Persistence/degradability:

Not expected to be persistent or bioaccumulative. However contains components that may not be readily biodegradable. Degrades rapidly in air.

Mobility:

Product is miscible with water and is mobile in soil and may contaminate groundwater.

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:

Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national, regional and local authority regulations. Packaging may still contain product vapours. Allow container to dry before disposal. Do not use container for storing other products. **Do Not** let clean up residue enter storm water, sewers or waterways and clean up in accordance with national, regional and local authority regulations.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

Dispose of product through waste management facility for solvent recovery or disposal, e.g. by incineration. Always follow the waste treatment procedures of national, regional and local authority regulations. Ensure that authorised contractors and or approved handlers dispose of the product and its containers.

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14. TRANSPORT INFORMATION

Land Transport (UN):

UN Number: Not Regulated for Transport of Dangerous Goods

Air Transport (ICAO-IATA / DGR):

UN Number: Not Regulated for Transport of Dangerous Goods

Sea Transport (IMDG-Code / GGV See):

UN Number: Not Regulated for Transport of Dangerous Goods

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
- 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
- Air Civil Aviation Rule Part 92, ICAO Dangerous Goods NZ and International
- Rail Land Transport Rule 45001/1 & NZS 5433

16. OTHER INFORMATION

Definitions and abbreviations:

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

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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.