



1. IDENTIFICATION OF THE PRODUCT AND COMPANY

Product Details:

Product Name	CCM Pool Epoxy Part A High Build Epoxy
Other Names(s)	CCM Pool Epoxy Part A clear ,CCM Pool Epoxy Part A White
Recommended Use	Coating Concrete Swimming Pools
Product Code	78301A
DG Class/es	3.1D
UN No:	1263

Supplier Details:

Company	Commercial Coating Manufacturers Limited
Address	14C Bay Park Palace, Beach Haven, North Shore, Auckland, New Zealand
Telephone	09 4834833
Fax	09 4834833
E Mail	sales@ccmcoatings.com
Web	www.ccmcoatings.com

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: 3.1D, 6.1D 6.3A, 6.3B, 6.4A, 6.5A, 6.5B, 9.1D, 9.3B

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 3.1D Substance is harmful through combustion
GHS Category 4

HSNO-Health 6.1D Substance is toxic if exposed through the skin
GHS Category 4

HSNO-Health 6.3 A, Skin corrosion/irritation
GHS Category 2

HSNO-Health 6.3B Skin corrosion/irritation
GHS Category 3



- HSNO-Health 6.4 A, Substance that is irritating to the eyes.
GHS Category 2A-2B

HSNO-Health 6.5 A, Respiratory Sensitisation
GHS Category 1

HSNO-Health 6.5 B, Skin Sensitisation
GHS Category 1

HSNO-Health 9.1D, - Substance is acutely and Chronically toxic to the aquatic environment:
GHS Category 2,3,4

HSNO-Health 9.3B, - Substance is ecotoxic to terrestrial invertebrates

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)

H226: Flammable liquid and vapour.
H227: Combustible Liquid

Health Hazard (s)

H301+H311+H331: Toxic if swallowed, in contact with skin or inhaled
H302: Harmful if swallowed
H303: May be harmful if swallowed
H305: May be harmful if swallowed and enters airways
H312; Harmful in contact with skin
H313: May be harmful in contact with skin
H314: Causes severe skin burns and eye damage
H315: Causes skin irritation
H316: Causes mild skin irritation
H317: May cause an allergic skin reaction
H319: Causes serious eye irritation
H320: Causes eye irritation
H333: May be harmful if inhaled
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335: May cause respiratory irritation
H336: May cause drowsiness or dizziness

Environmental Hazard (s)

H400: Very toxic to aquatic life

H401: Toxic to aquatic life

H402: Harmful to aquatic life

H412: harmful to aquatic life with long lasting effects

H413: May cause long-lasting harmful effects to aquatic life

3. COMPOSITION / INFORMATION OF INGREDIENTS

Components	CAS Number	Proportion
Epoxy Resin		42-50%
N-Butyl Glycidyl Ether	2426-08-6	0-10%
*Titanium Dioxide-	13463-67-7	12-15%
Inert Fillers-		28-32%
2-HYDROXYBENZOIC ACID	69-72-7	<4%
Additives:		<2%

*Not in CCM Pool Epoxy Part A clear

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)	Although ingestion is unlikely, if swallowed give water or milk to drink. Induce vomiting by giving a glass of water and touching the back of the throat with the finger. 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 symptomatically

Emergency overview:

- May be toxic if absorbed through the skin or inhaled.
- May cause severe eye and skin irritation.
- May produce CNS depression
- May cause respiratory tract sensitisation

5. FIRE FIGHTING MEASURES

Hazards from combustion products:

This Product is flammable with a flashpoint of 50°C

Extinguishing Media:

Alcohol-resistant foam, carbon dioxide (CO₂) dry chemical, dry sand limestone powder as extinguishing methods.

Precautions in connection with fire:

Fire Fighters should wear protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode.

This product can emit carbon monoxide and carbon dioxide fumes under fire conditions. The flammable liquid is not expected to form an explosive form.

Vapours may travel across the ground and reach remote ignition sources causing combustion and flash back fire danger.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedure:

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 sand, earth and sawdust. Remove liquid to containers for recovery and separate inert material to containers away from the recovered liquid. Ensure the clean up of this material in accordance with local authority by laws.

Disposal and cleaning of equipment:

Dispose of waste generated from the clean up of this material in accordance with local authority by laws. 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 by laws. All cleaning aides and equipment can be cleaned with water.

7. HANDLING AND STORAGE

Precautions for safe handling:

- Read product label and instructions before use
- Avoid skin and eye contact and breathing in vapour
- Wear chemical type approved safety goggles, PVC-rubber gloves and protective clothing.
- Wash hands with soap and water after use.

Conditions for safe storage:

- Store in cool, dry, well ventilated place and out of direct sunlight. Keep container tightly closed.
- Store at room temperature-do not freeze
- 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: (N/A Not available in WES)

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

Exposure Controls: wear the appropriate PPE

Personal Protection



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White Liquid
Odour	Slight
Solubility in water (g/l)	Insoluble
Flash Point (°C)	50°C
Boiling Point (°C)	N/A
Melting point / freezing point (°C)	N/A
Vapour Pressure	(mm of Hg @ 38c) 400pa @ 25°C (Based on Solvents)
Specific Gravity (Kg/Ltr)	1.56 – 1.66
% of Volatile (wt)	Not available
pH	N/A
VOC (g/l)	Not available

10. STABILITY AND REACTIVITY

Chemical Stability: Stable

Hazardous reactions: reacts to oxidising agents

Reactivity: None.

Conditions to avoid: Store in a well ventilated place at normal temperature, Keep Container tightly closed and keep product from freezing.

Hazardous decomposition products: No decomposition if stored normally, Combustion may produce carbon monoxide and carbon dioxide.

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

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

This product is:

- Toxic if splashed in eyes
- Toxic if inhaled and can create breathing difficulties
- Toxic in contact with skin if a large amount is splashed over the skin
- Toxic if swallowed
- Toxic to aquatic life

Toxicity:

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

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 sand, earth and sawdust. Remove liquid to containers for recovery and separate inert material to containers away from the recovered liquid. Ensure the clean up of this material in accordance with local authority by laws.

Disposal and cleaning of equipment:

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

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

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

14. TRANSPORT INFORMATION

Required visible identification (Labels):



HAZCHEM

3YE

Land Transport (UN):

UN Number	1263
Packing Group	III
UN proper shipping name	Paint
Environmental hazard	Follow spill information clause (6)
Transport hazard class(es)	Class 6 and 9 and must comply with the Rail / Land Rule 45001/1 & NZS 5433
Special precautions	N/A

Air Transport (ICAO-IATA / DGR):

UN Number	1263
Packing Group	III
UN proper shipping name	Paint
Environmental hazard	Follow spill information clause (6)
Transport hazard class(es)	Class 6 and 9 and must comply with AirCivil Aviation Rule Part 92, ICAO Dangerous GoodsNZ and International
Special precautions	N/A

Sea Transport (IMDG-Code / GGV See):

UN Number	1263
Packing Group	III
UN proper shipping name	Paint
Environmental hazard	Follow spill information clause (6)
Transport hazard class(es)	Class 6 and 9 and must comply with Sea Maritime Rule 24A and IMDG Dangerous Goods NZ and International
Special precautions	N/A

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	Odour Safety Factor
NOAEL	No Observed Adverse Effect Level
LOAEL	Lowest Observed Adverse Effect Level
TLV	Threshold Limit Value
LOD	Limit Of Detection
OTV	Odour Threshold Value
BCF	BioConcentration Factors
BEI	Biological Exposure Index
STEL	Short Term Exposure Limit

Note:

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