

SAFETY DATA SHEET



SDS NO: 4035

1. IDENTIFICATION OF THE PRODUCT AND COMPANY

Product Details:

Product Name	MetalPrep
Other Names(s)	Galvo Enamel Primer
Recommended Use	Primer for steel surfaces
Product Code	DG 3407
DG Class/es	3,6,9
UN No:	1263
HAZCHEM:	3YE

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	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,6.6A,6.7A,6.7B,6.8B,6.9A,6.9B,9.1A,9.1B,9.1C,9.1D,9.2A,9.3B,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

HSNO-Health 3.1B Substance is a flammable liquid

- GHS Category 2

HSNO-Health 3.1C Substance is a flammable liquid

- 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 maybe toxic if exposed through the skin, ingested or inhaled.

- GHS Category 5

HSNO-Health 6.3 A, Skin corrosion/irritation

- GHS Category 2

HSNO-Health 6.3 B, Skin corrosion/irritation

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- GHS Category 3
HSNO- Health 6.4A Causes eye irritation and serious eye damage
 - GHS Category 2A and 2B
- HSNO-Health 6.5 B, Skin Sensitisation
 - GHS Category 1
- HSNO-Health 6.6 A, Skin cell mutagenicity
 - GHS Category 1
- HSNO-Health 6.7 A, Substance may cause cancer
 - GHS Category's 1A and 1B
- HSNO-Health 6.7 B, Substance may cause cancer
 - GHS Category 2
- HSNO-Health 6.8B, Substance is suspected of damaging fertility or the unborn child.
 - GHS Category 2
- HSNO-Health 6.9A, Substance is toxic to specific organs through repeated exposure.
 - Category 1
- HSNO-Health 6.9B, Substance is toxic to specific organs through a single exposure
 - GHS Category 1 and 2
- HSNO-Environmental 9.1A, Substance is acutely toxic to the aquatic environment
 - GHS Category 1
- HSNO-Environmental 9.1B, Substance is chronically toxic to the aquatic environment
 - GHS Category 2
- HSNO-Environmental 9.1C, Substance is chronically toxic to the aquatic environment
 - GHS Category 3
- HSNO-Environmental 9.1D, Substance is chronically toxic to the aquatic environment
 - GHS Category 4
- HSNO-Environmental 9.2A, Substance is ecotoxic to the soil environment
 - GHS Category Not Available
- HSNO-Environmental 9.3B, Substance is ecotoxic to terrestrial vertebrates
 - GHS Category Not Available
- HSNO- Environmental 9.3C, Substance is ecotoxic to terrestrial vertebrates
 - GHS Category Not Available

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.

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Health Hazard(s)

H302: Harmful if swallowed
H303: May be harmful if swallowed
H304: May be fatal if swallowed and enters airways
H312: Harmful in contact with skin
H316: Causes mild skin irritation.
H317: May cause an allergic skin reaction
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H320: Causes eye irritation
H332: Harmful if inhaled
H333: May be harmful if inhaled
H340: May cause genetic defects
H350: May cause cancer.
H351: Suspected of causing cancer
H361: Suspected of damaging fertility or the unborn child
H371: May cause damage to organs
H372: Causes damage to organs through prolonged or repeated exposure
H373: May cause damage to organs through prolonged or repeated exposure.

Environmental Hazard(s)

- 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
- H433: Harmful to terrestrial vertebrates

3. COMPOSITION / INFORMATION OF INGREDIENTS

Components	CAS Number	Proportion
Alkyd Resin		25-42%
Titanium Dioxide	13463-67-7	2-10%
Other inorganic pigments	Mixture	10-25%
Zinc phosphate	779-90-0	5-15%
Xylene	1330-20-7	8-20%
Ethyl Benzene	100-41-4	1-8%
MEKO	96-29-7	<0.5%
Additives		<5%

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

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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.

Auditory system effects may include temporary hearing loss and/or ringing in the ears. This product is suspected of damaging fertility or the unborn child. In addition it may cause damage to organs through prolonged or repeated exposure.

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.**

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:

Foam, water spray, dry chemical, 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.

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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.

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.

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- 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

Exposure Controls: wear the appropriate PPE

Personal Protection



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Grey, Viscous liquid
Odour	Solvent
Solubility in water (g/l)	immiscible
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)	1.3-1.4
% of Volatile (wt)	Not available
pH	Not applicable
VOC (g/l)	Not available

10. STABILITY AND REACTIVITY

- Chemical Stability:** Stable under normal conditions of storage and handling
- Hazardous reactions:** this product is FLAMMABLE and COMBUSTABLE
- Conditions to avoid:** ignition sources

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Ingestion: may cause vomiting and aspiration into lungs and cause chemical pneumonitis or pulmonary odema. 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.

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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.

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 immiscible with water however is highly 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.

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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.

14. TRANSPORT INFORMATION

Required visible identification (Labels):



Land Transport (UN):

UN Number: 1263
Packing Group: II
UN proper shipping name: Paint
Environmental hazard: contain and follow spill information clause (6)
Transport hazard class(es): Classes 3, 6 and 9 must comply with the Rail Land Transport Rule 45001/1 & NZS 5433
Special precautions: Not Available

Air Transport (ICAO-IATA / DGR):

UN Number: 1263
Packing Group: II
UN proper shipping name: Paint
Environmental hazard: contain and follow spill information clause (6)
Transport hazard class(es): Classes 3, 6 and 9 must comply with Air Civil Aviation Rule Part 92, ICAO Dangerous Goods NZ and International
Special precautions: Not Available

Sea Transport (IMDG-Code / GGV See):

UN Number: 1263
Packing Group: II
UN proper shipping name: Paint
Environmental hazard: contain and follow spill information clause (6)
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 Available

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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