

SAFETY DATA SHEET



SDS NO: 4015

1. IDENTIFICATION OF THE PRODUCT AND COMPANY

Product Details:

Product Name 6.01 Thinner
Other Names(s)
Recommended Use Thinner
Product Code 67601
DG Class/es 3
UN No: 1307
HAZCHEM 3Y

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:

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:

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

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

- GHS Category 4

HSNO-Health 6.3 A, Skin corrosion/irritation

- GHS Category 2

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- HSNO-Health 6.4 A, Substance that is irritating to the eyes.
- GHS Category 2A-2B
- 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 9.1D, 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.

Health Hazard(s)

- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H351 Suspected of causing cancer.
- H361 Suspected of damaging fertility or the unborn child.
- H373 May cause damage to organs through prolonged or repeated exposure.

Environmental Hazard(s)

- H402 Harmful to aquatic life.
- H433 Harmful to terrestrial vertebrates.

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3. COMPOSITION / INFORMATION OF INGREDIENTS

Components	CAS Number	Proportion
Xylene (and insomers)	1330-20-7	100%
May contain ethyl benzene(10-30%)	100-41-4	

4. FIRST AID MEASURES

First Aid Measures:

Eye Contact	Hold eyelids apart and flush the eye continuously with running water. Continue flushing for at least 15 minutes. Remove contact lenses if present and easy to do after the first 5 minutes and continue rinsing. Get medical attention.
Skin Contact	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If irritation persists, get medical attention. Wash contaminated clothing before re-use.
Inhalation	Move the victim to fresh air immediately. Keep warm and at rest until recovered. Get medical attention if symptoms continue. Begin artificial respiration if breathing has stopped. Get immediate medical attention.
Ingestion (Swallowed)	If swallowed, do NOT induce vomiting. Rinse mouth. Where there is risk of vomiting, lean person forward or place on left side to avoid aspiration of product into lungs. Obtain immediate medical attention.

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

Emergency overview:

First Aid facilities Provide eye baths and safety showers close to areas where splashing may occur.

5. FIRE FIGHTING MEASURES

Hazards from combustion products:

This Product is flammable with a flashpoint of 25 °C and gives off Carbon dioxide and carbon monoxide.

Extinguishing Media:

Dry chemical or alcohol foam or CO₂.

Do not use water jet.

Fire & Explosion hazards:

- Liquid and vapours are highly flammable.

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- 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.

Precautions in connection with fire:

- Alert Fire Bridge Dial 111
- advise location and nature of hazard.
- Wear breathing apparatus and protective gloves.
- Shut off product that may 'fuel' a fire if safe to do so.
- If safe, switch off electrical equipment until vapour hazard removed.
- Allow trained personnel to attend a fire in progress, providing fire-fighters with this Safety Data Sheet.
- Prevent product and extinguishing media from escaping to drains and waterways.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedure:

Refer to "Fire Fighting Measures", "First Aid Measures" and "Stability and Reactivity"

For Minor spills:

Remove or eliminate all ignition sources..

- Clean up spills immediately
- Avoid breathing vapours and contact with skin and eyes.
- Wear personal protective equipment.
- Contain and absorb small quantities with vermiculite or other absorbent material.
- Collect residues and waste material in a labelled container suitable for flammables.
- Seal container and dispose of safely.

Large amounts

- Clear area of personnel and move upwind.
- Alert Fire Bridge 111 and advise location and nature of hazard.
- Wear breathing apparatus plus protective gloves.
- Stop leak if safe to do so.
- Contain spill with sand, earth or vermiculite.

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- Prevent by any means available, spillage from entering drains, sewers, watercourses, or low-lying areas.
- Eliminate sources of ignition, naked lights. No smoking.
- Increase ventilation.
- Water spray or fog may be used to disperse/absorb vapour.
- Use only spark-proof tools, e.g. shovels, and explosion proof equipment, e.g. pumps.
- Collect recoverable product into labeled contains for recycling.
- Absorb remaining product with sand, earth or vermiculite.
- Collect solid residues and seal in labelled drums for disposal.
- If contamination of drains or waterways occurs, advise Emergency Services and Local or Regional authority.

Disposal and cleaning of equipment:

- Collect solid residues and seal in labelled drums for disposal.
- Wash tools and equipment and make sure you prevent run off into drains.

Methods and materials for containment and clean up:

- Contain spill with sand, earth or vermiculite.
- Use only spark-proof tools, e.g. shovels, and explosion proof equipment, e.g. pumps.
- Wash area and prevent run off into drains.

7. HANDLING AND STORAGE

Precautions for safe handling:

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. Handle containers with care. Open slowly to control possible pressure release. Material will accumulate static discharge. 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. Store in a cool, dry place away from direct sunlight. This product will fuel a fire in progress. Check containers periodically for leaks or distortion.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Health Exposure Standards:

Source	Material Name	TWA	STEL	Peak	Notes
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New Zealand Workplace Exposure Standards (WES)	Xylene	50 ppm (217 mgm/m)	N/A	N/A	N/A
New Zealand Workplace Exposure Standards (WES)	Ethylbenzene	100 ppm (217 mgm/m)	125 ppm (543 mg/m)	N/A	N/A

Exposure Controls: wear the appropriate PPE

Personal Protection



Respiratory Protection: It is recommended to use a half-face filter mask to protect from overexposure 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 breathing apparatus.

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.

Ventilation: Do not breathe vapours. Use product outdoors or in well-ventilated area. The use of local exhaust ventilation is recommended to control emissions near the source. Provide mechanical ventilation in confined spaces. Use explosion-proof ventilation equipment. Use personal protective respiratory equipment if concentrations in air are unknown, meet or exceed Health Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear colourless liquid
Odour	Aromatic
Solubility in water (g/l)	Immiscible
Flash Point (°C)	25°C (typical)
Boiling Point (°C)	138-143
Melting point / freezing point (°C)	Not available
Vapour Pressure (kPa)	1.0
Specific Gravity (Kg/Ltr)	0.87 (typical)
% of Volatile (wt)	1.1-6.6
pH	Not applicable
VOC (g/l)	Not available

10. STABILITY AND REACTIVITY

Chemical Stability: Stable at room temperature and pressure.

Conditions to avoid: Sources of heat and ignition, open flames.

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Hazardous decomposition products: No decomposition products except when burning.

Hazardous reactions: Strong oxidizing agents, strong acids. See "Fire Fighting Measures" and "Hazardous Reactions".

Hazardous polymerization: Not known to occur.

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.

Both xylene and ethylbenzene are suspected of causing adverse effects on fertility and development. In addition, ethylbenzene is a suspected carcinogen.

Toxicity:

Xylene Oral, LD50, mouse 1590 mg/kg Inhalation, LC50, rat 27.6 mg/L

Ethylbenzene Oral, LD50, rat 3500 mg/kg Inhalation, LC50, rat 9.6 mg/L

12. ECOLOGICAL INFORMATION

Large amounts:

Product is classified as being ecotoxic to aquatic life with long-lasting effects. Do not discharge product to sewer, drains or waterways. Product floats on water.

Evaporates rapidly. If product enters soil, it will be mobile and may contaminate ground-water. Always follow local, regional and national authority bylaws in regards to clean up.

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 etc.

13. DISPOSAL CONSIDERATIONS

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Waste treatment methods:

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, e.g. by incineration

14. TRANSPORT INFORMATION

Required visible identification (Labels):



HAZCHEM

3Y

Land Transport (UN):

UN Number 1307
Packing Group III
UN proper shipping name Xylenes
Environmental hazard contain and follow spill information clause (6)
Transport hazard class(es) 3
Special precautions This product is classified as Dangerous Goods Class 3, and must comply with NZS 5433:2012 Transport of Dangerous Goods on Land

Air Transport (ICAO-IATA / DGR):

UN Number 1307
Packing Group III
UN proper shipping name Xylenes
Environmental hazard contain and follow spill information clause (6)
Transport hazard class(es) 3
Special precautions This product is classified as Dangerous Goods Class 3 and must comply with Air Civil Aviation Rule Part 92, ICAO Dangerous Goods NZ and International

Sea Transport (IMDG-Code / GGV See):

UN Number 1307
Packing Group III
UN proper shipping name Xylenes
Environmental hazard contain and follow spill information clause (6)
Transport hazard class(es) 3
Special precautions This product is classified as Dangerous Goods Class 3 and must comply with Sea Maritime Rule 24A and IMDG Dangerous Goods NZ and International

15. REGULATORY INFORMATION

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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
- EPA New Zealand HSNO Approval Code: HSR0026502; Solvent (Flammable, Toxic [6.7]) Group Standard 2006.
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16. OTHER INFORMATION

Issue: 4 Date of Issue: 29th May, 2015

Reasons for Issue: 5-year review of Safety Data Sheet.

Replaces: 27th April 2010

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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