



MATERIAL SAFETY DATA SHEET

SDS 833

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1. Product and Company Identification

- 1.1 PRODUCT NAME:** COLOURCURE AP THINNERS
- 1.2 USE OF PRODUCT** Thinner for most polyurethane based Chevaline, Traxx and Protexx products.
- 1.3 SUPPLIER:** Equus Industries Ltd
Sheffield Street
Riverlands Industrial Estate
Blenheim, Marlborough, New Zealand
Telephone: +64 3 578 0214
Fax: +64 3 578 0919
Email: admin@
- 1.4 EMERGENCY CONTACT:** **National Poison Centre**
Telephone: 0800 764 766

Information about Safety Data Sheet: Telephone: +64 3 5780214 8:00am – 6:00pm Mon – Fri

- 1.5 Date of Preparation:** 21 August 2014

2. Hazards Identification

- 2.1 Statement of Hazardous Nature:**
Classified as dangerous according to New Zealand Hazardous Substances (Minimum degrees of hazard) Regulations 2001.
- 2.2 HSNO Group Standard:**
Surface Coatings and Colourants (Flammable)
- 2.3 Substance Classification:**
3.1C, 6.1D, 6.3A, 6.4A, 6.8B, 6.9B, 9.1B, 9.3C
- 2.4 Hazard Statements**
- | | |
|------|---|
| H226 | Flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H361 | Suspected of damaging fertility or the unborn child. |
| H373 | May cause damage to organs through prolonged or repeated exposure |
| H411 | Toxic to aquatic life with long lasting effects. |
| H433 | Harmful to terrestrial vertebrates. |

2.5 Prevention Statements:

P102	Keep out of reach of children.
P103	Read label before use.
P201	Obtain special instructions before use.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281	Use personal protective equipment as required.

2.6 Response Statements:

P101	If medical advice is needed, have product container or label at hand.
P303 + P361+ P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P370 + P378	In case of fire: Use carbon dioxide, foam dry powder or water spray on large fires for extinction
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330	Rinse mouth.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P363	Wash contaminated clothing before reuse.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P362	Take off contaminated clothing and wash before re-use.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P314	Get medical advice/attention if you feel unwell.
P391	Collect spillage.

2.7 Storage Statements:

P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.

3. Composition/Information on Ingredients**3.1 Hazardous Ingredients:**

CAS NO.	COMPONENT	CONCENTRATION (% WEIGHT)
1330-20-7	Xylene	60-80
108-10-1	4-Methyl-2-pentanone	20-40

4. First Aid Measures**4.1 After Inhalation:**

Remove person to fresh air. Allow person to rest. If not breathing, give artificial respiration. Seek medical attention.

4.2 After Skin Contact:

Remove contaminated clothing. Rinse skin immediately with mild soap and plenty of water. Seek medical attention in the event of a skin reaction.

4.3 After Eye Contact:

Hold eye open and rinse with lukewarm water for at least 10 minutes. Seek medical attention.

4.4 After Ingestion:

Do not induce vomiting. Rinse mouth with water. Allow affected person to rest. Seek medical attention.

4.5 Advice to Doctor:

Symptoms and findings:

4.6 Oral:

Gastrointestinal discomfort, nausea, vomiting, lethargy or diarrhea. Treatment should be directed at the control of symptoms and the clinical condition of the patient.

4.7 Inhalation:

Prolonged over exposure to either vapour or mist can cause coughing, shortness of breath, dizziness and drunkenness.

5. Fire Fighting Measures**5.1 Suitable Extinguishing Media:**

Carbon dioxide, foam, dry powder. In case of larger fires, water spray should be used.

5.2 Protective Equipment:

Use self contained breathing apparatus when in close proximity to fire, and wear full body protective clothing.

5.3 Specific Hazards:

Eliminate every possible source of ignition (open flame, sparks, smoking etc).

5.4 Combustion Products:

Carbon monoxide, carbon dioxide, fumes and smoke.

5.5 Precautions in Connection with Fire:

When exposed to ignition source, vapours can burn in open or explode if confined. Vapours may travel along ground before igniting and flash back to vapour source. Fight fire from a safe distance. Heat may build enough pressure to rupture closed containers. Use water spray/fog for cooling. Avoid frothing/steam explosion. Burning liquid may float on water.

5.6 Additional Information:

Flashpoint = <23°C Closed cup

Hazchem Code 3[Y]E

6. Accidental Release Measures**6.1 Preliminary Action and Precautions:**

- 6.1.1 Eliminate every possible source of ignition.
- 6.1.2 Evacuate all personnel immediately and ventilate area.
- 6.1.3 Avoid breathing vapour and contact with skin, eyes and clothing.
- 6.1.4 Wear recommended personal protective equipment.
- 6.1.5 Shut off leaks if possible without risk.
- 6.1.6 Dike in the spilled product as much as possible with inert material.
- 6.1.7 Prevent entry of product into sewers, storm water drains and open bodies of water.
- 6.1.8 Collect the spillage in closable, suitable disposal containers.
- 6.1.9 Clean up and spills as soon as possible, using an inert absorbent material and eliminate as hazardous waste.

7. Handling and Storage**7.1 Handling:**

- 7.1.1 Always provide adequate ventilation, if necessary exhaust ventilation.
- 7.1.2 Avoid breathing vapour or mist.
- 7.1.3 Avoid contact with eyes, skin and clothing.
- 7.1.4 Explosion protection required.
- 7.1.5 Precautions required in the handling of solvents must be taken.
- 7.1.6 Use special care to avoid static electric discharges.
- 7.1.7 Wash hands thoroughly after handling, especially before eating, drinking, smoking or using the toilet.

7.2 Storage:

- 7.2.1 Store in a well ventilated, fire proof place.
- 7.2.2 Store away from sources of ignition, (ie sparks, open flames, heat etc.)
- 7.2.3 Store away from oxidizing agents.
- 7.2.4 Keep containers tightly closed at all times.

8. Exposure Controls and Personal Protection Equipment

8.1 Exposure Limits:

CHEMICAL	CAS NUMBER	REGULATION	LIMIT
Xylene	1330-20-7	WES/TWA	50ppm (217mg/m ³)
4-Methyl-2-pentanone	108-10-1	WES/TWA	50ppm (205mg/m ³)
		WES/STEL	75ppm (307mg/m ³)

8.2 Exposure Controls:

8.2.1 Exposure Controls in the Work Place:

Use only in well ventilated areas. Provide maximum ventilation in enclosed areas. Use local exhaust when the general, ventilation is inadequate.

8.2.2 Personal Protection Equipment:

Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable dust/particulate filter should be used. Reference should be made to Australia/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Device; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye Protection

Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australia/New Zealand Standard AS/NZS 1337 – Eye protectors for Industrial Applications.

Hand Protection

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e methods of handling or according to risk assessments undertaken. References should be made to AS/NZS 2161.1: Occupational protective gloves – Selection, use and maintenance.

Body Protection

Suitable protective workwear, e.g cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial Clothing.

9. Physical and Chemical Properties

9.1 General Information:	
Physical State/Form	Liquid
Colour	Clear
Odour	Strong solvent
pH	Not applicable
Flash Point	<23°C
Boiling Point/Range	117-143°C (1013hPa)
Vapour Pressure	10-20hpa (20°C)
Vapour Density	3.5-3.7 (air = 1)
Explosion Limits in Air	1.0 – 8.0 vol.%
Water Solubility/Miscibility	ca 7g/l
Specific Gravity	0.845
VOC	845g

10. Stability and Reaction

- 10.1 General Information:**
This material is stable when properly handled and stored. No hazardous reactions are known.
- 10.2 Conditions to Avoid:**
Extended contact with air or oxygen. Heat, sparks, open flame and other ignition sources, and oxidizing conditions.
- 10.3 Material to Avoid:**
Strong oxidizing agents. Moisture and humidity. May react with oxygen to form peroxides.
- 10.4 Hazardous Decomposition Products:**
None expected when material properly handled and stored. For thermal decomposition see combustion products in Section 5.

11. Toxicological Information

- 11.1 Health Effects / Symptoms of Exposure:**
Vapour may irritate the nose and throat. May cause dizziness. Leave area to breath fresh air. Avoid further over-exposure. If symptoms persist, seek medical attention.
- 11.2 Toxicological Data on Components:**
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|------------------------|------------------------------|
| Xylene isomers mixture | Cas No 1330-20-2 |
| Oral: LD50 Rat: | 3523-8700 mg/kg |
| Inhalation: LC50 Rat: | 29.49mg/l, 4h |
| Skin: | Irritating |
| 4-Methyl-2-pentanone: | Cas No 108-10-1 |
| Oral: LD50 Rat: | 2080mg/kg |
| Inhalation: LC50 Rat: | 8.2-16.4mg/m ³ 4h |
| Skin: LD50 Rabbit: | >16,000mg/kg |

11.3 Skin Contact:

Harmful and irritating to the skin. Prolonged or repeated exposure may cause dermatitis and will increase risk of dryness and cracking of skin.

11.3 Eye Contact:

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

11.4 Ingestion:

May be harmful if swallowed. Aspiration into the lungs by ingestion or vomiting may result in chemical pneumonitis.

11.2 Chronic effects:

Harmful by inhalation and in contact with skin. Aromatic hydrocarbons, such as xylene, irritate the skin and mucous membranes and are narcotic if inhaled in high concentrations. The product may cause central nervous system depression resulting in disturbances of equilibrium and lowering of the reaction velocity. Suspected of causing adverse effects on fertility and development.

12. Ecological Information

12.1 Environment Protection:

Prevent product from entering drains, sewers and waterways.

12.2 Ecotoxicity:

For Xylene

Oncorhynchus Mykiss (Rainbow Trout)	EC50 (96hr) 3.3mg/ℓ
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Palaemonetes pugio (Daggerblade Grass Shrimp)	EC50 (72hr) 8.5mg/ℓ
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Skeletonema. Costatum (Algae)	EC50 (72hr) 10.0mg/ℓ
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For 4-methyl-2-pentanone

Leuciscus idus melatus (Golden Ide)	LC50 (48hr) 480mg/ℓ
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Daphnia magna (Water flea)	EC50 (24hr) 1,550-3,623mg/ℓ
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Desmodesmus subspicatus (Green Algae)	EC50 (48hr) 980-2,000mg/ℓ
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12.3 Persistence and degradability:

Readily biodegradable, Oxidises rapidly by photo chemical reactions in air.

12.4 Mobility:

If product enters soil, it will be mobile and may contaminate ground – water.

12.5 Bioaccumulative Potential:

Does not bioaccumulate significantly.

12.6 Other Adverse Effects:

In view of the high rate of evaporation, the product is unlikely to pose a significant hazard to aquatic life.

13. Disposal Consideration**13.1 Material**

Ensure compliance with National, Regional and local authority regulations. Allow empty packaging to vent away from any sources of ignition. Do not cut or weld empty drums.

14. Transport Information**14.1 Land Transport:**

Classified as dangerous goods under NZS:5433:2007 Transport of Dangerous Goods on Land.

UN Number	1263
Proper Shipping Name:	Paint related product
Class	3
Packing group	II
Hazchem Code	3[Y]E

15. Regulatory Information**15.1 HSNO Approval:**

Approved Code:	HSR 002662
HSNO Group Standard:	Surface Coatings and Colourants (Flammable)

15.2 HSNO Controls:

Approved Handler	Not Required
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16. Other Information**16.1 Hazard / Classifications:**

3.1C	Flammable liquid - medium hazard
6.1D	Substances that are acutely toxic – Harmful
6.3A	Substances that are irritating to the skin
6.4A	Substances that are irritating to the eye
6.8B	Substances that are suspected human reproductive or developmental toxicants
6.9B	Substances that are harmful to human target organs or systems
9.1B	Substances that are ecotoxic in the aquatic environment
9.3C	Substances that are harmful to terrestrial vertebrates

16.2 Abbreviations/Terminology:

HSNO	Hazardous substances and New Organisms Act
CAS	Chemical Abstract Service
LD50, LC50	Lethal dose/Lethal Concentration – Dose or concentration required to produce the specified effect in 50% of the sample studied.
EC50	Half maximal effective concentration.
WES	Workplace Exposure Standard (NZ Department of Business, Innovation and Employment)

TWA	Time weighted average exposure level designed to protect from the effects of long-term exposure.
STEL	Short-term Exposure Level (15 minutes)
VOC	Volatile Organic Compound

16.3 Issue Information

Date of Preparation:	21 August 2014
Reasons:	Update and format change
Replaces:	1 July 2007

- 16.4** The information contained in this Data Sheet relates only to the specific material identified. Equus Industries Ltd believes the information to be accurate and reliable as at the date of this Data Sheet. No Warranty, Guarantee or representation is expressed or implied by the Company as to the absolute correctness or completeness of any representation contained in this Data and assumes no legal responsibility in connection therewith. It can not be assumed that all acceptable safety measures are contained in this Data Sheet, or that additional measures may not be required under particular or exceptional circumstances or conditions.