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VERSION NO. : 1

PAGE : 1 OF VARIABLE

Mainland Printing Inks 2018
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Christchurch 8242, New Zealand
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Quality
ISO 9001

Safety Data Sheet

1. Identification Of The Material & Supplier

Product Name : Thinner TP300

Other Names(s) :

	ML. Product No.	ML. R/M Code	ML. R/M No.
Chemical Formula :	85347		

Use or Description : Thinner

Suppliers Name : Mainland Printing Inks,
Street Address : 351 Selwyn Street, P.O.Box 12-171, Christchurch 8242, New Zealand.
Telephone : +64 3 338 6321
Facsimile :

Emergency Telephone : National Poisons & Hazardous Chemicals
Information Centre : 0800 POISON (0800 764 766)
NZ Emergency Services : Dial 111 (if in doubt)
Mainland Directors, M Selwood & P Connolly : Bus +64 3 338-6321
Mobile +64 027 5157339

2. Hazards Identification



Hazard Classification:

3.1C - Flammable Liquid: Medium Hazard.
6.1E (oral) Substance that may be harmful if swallowed.
6.9 (Respiratory tract irritant) Substance that may cause respiratory irritation.
6.1D - Substance that is harmful if inhaled.
6.1E (dermal) - Substance that may be harmful in contact with skin.
9.1B - Substance that is toxic to aquatic life with long lasting effects.

Hazard statement codes:

H226 Flammable liquid and vapour.
H303 May be harmful if swallowed.
H335 May cause respiratory irritation.
H332 Harmful if inhaled.
H313 May be harmful in contact with skin.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statement codes -Prevention:

P102 Keep out of reach of children.
P103 Read Label 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 equipment.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
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.

Precautionary statement codes - Response:

P101 If medical advice is needed, have product container or label at hand.

P303+P361+P353 IF ON SKIN: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTRE or doctor/physician if you feel unwell.

P370+P378 In case of fire: Use foam, carbon dioxide or dry chemical.

P391 Collect spillage.

Precautionary statement codes - Storage

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

P405 Store locked up.

Precautionary statement codes - Disposal:

P501 Disposal of this substance must be in accordance with the Hazardous Substances (Disposal) Regulations 2001 with reference to all local Council regulations. This may also include any method of disposal that must be avoided.

3. Composition / Information On Ingredients

Potentially Hazardous Ingredients	% by weight (approx)	TLV (TWA)		STEL (TWA)		Note CAS No.
		mg/m3	ppm	mg/m3	ppm	
Solvent Naphtha (Petroleum), Light aromatic	25 - 50	525	100			64742-95-6
Cyclohexanone	25 - 50	100	25			108-94-1
N-Butyl Acetate	10 - 25	710				123-86-4
2-Methoxy-1-Methylethyl Acetate	2.5 - 10	275				108-65-6

4. First Aid Measures

Inhalation	Remove source of contamination or move victim to fresh air. If breathing has stopped, begin artificial respiration or CPR. Seek medical attention.
Skin Contact	Wash contact areas with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Seek medical assistance for irritation or any other symptoms. Launder contaminated clothing before reuse.
Eye Contact	Flush effected eye(s) thoroughly with water for at least 20 minutes lifting lower and upper eyelids occasionally. Remove contact lenses. Seek medical attention.
Ingestion	Do not induce vomiting. Give large amounts of water to drink. Never give anything by mouth to an unconscious person. Get medical assistance immediately or call a POISON CENTRE. If vomiting occurs naturally lean victim forward to reduce the risk of aspiration into the lungs.
Health Hazard : Information	Incase of doubt or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. Immediately remove all contaminated clothing. Call a physician.

5. Fire Fighting Measures

Extinguishing Media to be used

☐ Foam
 ☒ Dry Chemical
 ☒ Water Spray
☒ Carbon Dioxide
 ☒ Alcohol Foam
 ☐ Other...

Special Fire Fighting Procedures

Fire fighters must use recommended protective equipment and self contained breathing apparatus. Cool storage drums with water spray. Use water spray to disperse vapours and protect personnel attempting to stop leaks. Vapour is heavier than air and may travel a considerable distance to a source of ignition and flash back. **Note: solid stream of water may spread burning liquid.**

Unusual Fire and Explosion Hazards

Flammable liquid. Vapour accumulation could flash and/or explode if ignited.
Can react vigorously with oxidizing materials.

6. Accidental Release Measures

Spill and Leak Procedure

Extinguish or remove all sources of ignition. Wear appropriate breathing apparatus and full protective clothing. Remove leaking containers to a detached area. Bund spill area and absorb spilled product with inert material (e.g. sand, earth etc.) Transfer remaining product in leaking container to a new container and solid absorbent materials to separate container for disposal. Dispose of waste at an appropriate waste disposal facility in accordance with local authority bylaws, the Local Government Act 1974 and the regulations made therein.

7. Handling & Storage

Handling

Use in minimal quantities in designated areas with adequate ventilation. Use suitable, labelled containers kept closed when not in use. Wear appropriate personal protective equipment. Avoid generating mist. Eliminate all ignition sources. Ground all drums and transfer vessels (ground clips must contact bare metal). Empty containers may be hazardous due to residual material.

Storage

Store in a cool, dry, well-ventilated area out of direct sunlight, and away from sources of ignition. Store in suitable, labelled containers, kept tightly closed when not in use and when empty, and protected from damage. Use non-sparking ventilation systems and electrical equipment that does not provide an ignition source. Keep storage area separate from populated work areas.

8. Exposure Control / Personal Protection

Recommended Personal Protective Equipment to be worn during use of product: (X)

<input checked="" type="checkbox"/> Protective Overalls	<input checked="" type="checkbox"/> Synthetic Apron
<input type="checkbox"/> Safety Glasses	<input checked="" type="checkbox"/> Vapour Respirator
<input checked="" type="checkbox"/> Splash Goggles	<input type="checkbox"/> Dust & Vapour Respirator
<input type="checkbox"/> Face Shield	<input type="checkbox"/> Full Protective Suit
<input type="checkbox"/> Airline Hood or Mask	<input checked="" type="checkbox"/> Boots
<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Other...

9. Physical And Chemical Properties

Appearance and Odour

Clear, colourless liquid. .

Density

0.89

Viscosity

NA

Boiling Range, °C

124 - 185

Flash Point °C Method

40

Vapour Pressure, mm Hg at 20°C

12

Vapour Density (Air=1)

NE

Melting Point/Freezing Point, °C

NA

Aniline Point, °C (Mixed)

NA

Refractive Index, @ 20°C

NA

Residue On Evaporation, mg/100ml

0%

Evaporation Rate (BuAc=100)

< 1

% Volatile Matter (by weight)

100

Solubility in Water

Insoluble @ 25 deg C

Aromatics, %

NA

Colour

Clear

pH

NA

Flammability Limit, %vol

Lower (LEL)

0.6

Upper (UEL)

10

Auto Ignition Temperature, °C

200 - 300

NA = Not Applicable, NE = Not Established,
NR = Not Regulated Against D = Decomposes

10. Stability And Reactivity

Reactivity Data

Thinner TP300 is considered to be stable under normal conditions. Contact with strong oxidizing agents (e.g. peroxides and nitrates) increases the risk of fire and explosion. Forms an explosive reaction with nitric acid at 75°C. Reaction with hydrogen peroxide + nitric acid forms and explosive peroxide. May attack plastics, resins and rubber.

Hazardous Decomposition Byproducts

Not known.

Hazardous Polymerization

☒ Will Not Occur ☐ May Occur ☐ Other...

11. Toxicological Information

Acute Effects of Overexposure

Ingestion

May cause irritation to the mouth, oesophagus, and stomach, resulting in nausea, vomiting and abdominal pain. Extremely large quantities may cause unconsciousness and death.

Skin Contact

May cause irritation in contact with the skin, which may result in redness, itchiness, and possible dermatitis.

Inhalation

May cause irritation to the mucous membrane and upper airways. Symptoms of exposure may result in headaches, nausea, vomiting, confusion, CNS depression and breathing difficulties.

Eye Contact

May cause irritation to the eyes, which may result in redness, lachrymation and possible corneal injury.

Delayed Effects

Prolonged or repeated exposure may cause skin rash or dermatitis. Damage to the liver and kidneys may occur.

Mutagenic Effects

Positive in two bacterial short-term tests. Negative in a test using insects.

Reproductive Effects

Not reported

12. Ecological Information

Environmental Fate:

When released into the soil, this material is expected to readily biodegrade and is expected to quickly evaporate. Thinner TP300 is expected to leach into groundwater. When released into water, this material may evaporate to a moderate extent but may biodegrade. It has an estimated bioconcentration factor (BCF) of less than 100. This material is not expected to significantly bioaccumulate. When released into the air, this material is expected to be readily degraded by reaction with photochemically produced hydroxyl radicals. It is expected to have a half-life between 1 and 10 days. Do not allow product to enter drains, waterways or sewers.

Environmental Toxicity:

The LC50/96-hour values for fish are over 100 mg/l.

13. Disposal Considerations

Disposal Methods

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 and local authorities. Packaging may still contain hazardous residues.

Special Precautions for Landfill or Incineration.

This product is NOT suitable for disposal by either land fill or via municipal sewers, drains, natural stream or rivers. Do not incinerate closed containers.

14. Transport Information

IMCO No.	3.2	This material is classified as a class 3- Flammable Liquid according to NZS 5433:1999 Transport of Dangerous Goods on Land.
UN No.	1263	Must not be loaded in the same freight container or on the same vehicle with;
HAZCHEM	3 [Y]	(Class 1) Explosives, (Class 2.1) Flammable gasses, (Class 2.3) Toxins gasses,
D/Goods Class	3.1C	(Class 4.2) Spontaneous combustible substances, (Class 5.1) Oxidising substances, (Class 5.2) Organic peroxide, (Class 7) Radioactive materials unless specifically exempted, (Class 4.3) Dangerous when wet substances.
UN Packing Group	III	

15. Regulatory Information

Classified as hazardous according to HSNO New Zealand 2008 criteria.

Group Standard: HSNO Approval Number HSR002495 - Additives, Process Chemicals and Raw Materials (Flammable) Group Standard 2006.

16. Other Information

Other Data.

IF PRINTED THIS MSDS SHEET IS UNCONTROLLED.

Mainland Printing Inks urges each customer or recipient of this MSDS to study it carefully to become aware of and the hazards associated with the product.

The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology, and fire prevention, as necessary or appropriate to use and understand the data contained in this MSDS. To promote safe handling, each customer or recipient should:

- (1) notify its employees, agents, contractors and others whom it knows or believes will use this material or the information in this MSDS and any other information regarding hazards of safety;
- (2) furnish this same information to each of its customers for the product; and
- (3) request its customers to notify their employees, customers, and other users of the product of this information.

NOTE: The information and recommendations contained in this data sheet have been compiled from sources believed to be reliable and represent the best current opinion on the subject. No warranty, guarantee or representation is made by the company as to the absolute correctness or sufficiency of any representation contained in this data sheet and the company assumes no responsibility in connection therewith. Nor can it be assumed that all acceptable safety measures are contained in this data sheet or that other additional measures may not be required under particular or exceptional circumstances or conditions.