



# A NEW FORCE IN CHEMICAL MANUFACTURING

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## SAFETY DATA SHEET

ISSUED SEPTEMBER 2014 (VALID 5 YEARS FROM DATE OF ISSUE)

### GPT GENERAL PURPOSE THINNERS

#### SECTION 1 - IDENTIFICATION OF THE MATERIAL

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**PRODUCT NAME** General Purpose Thinners  
**PRODUCT TYPE** Solvent/Thinners for Industrial Use  
**PART NUMBER** CT-GPT  
**AVAILABLE SIZES** 5L (CT-GPT-5L)  
20L (CT-GPT-20L)

#### SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	CAS #	%	HSIS TWA	HSIS STEL
Solvent Naphtha	64742-89-8	10-30	450mg/m <sup>3</sup>	
Toluene	108-88-3	50-70	50ppm 191mg/m <sup>3</sup>	150ppm 150mg/m <sup>3</sup>
Methyl ethyl ketone	78-93-3	10-30	150ppm 445mg/m <sup>3</sup>	300ppm 890mg/m <sup>3</sup>

#### SECTION 3 - HAZARDS IDENTIFICATION

**Hazard Classification:** Hazardous Substance according to the criteria of SafeWork Australia and Dangerous Goods according to the ADG Code.

**Risk Phrases:** R11 – Highly flammable  
R48/20 – Harmful: danger of serious damage to health by prolonged exposure through inhalation  
R36/38 – Irritating to eyes and skin.  
R63 - Possible Risk of harm to the unborn child  
R67 – Vapours may cause drowsiness and dizziness.

**Safety Phrases:** S20 – When using do not eat or drink  
S21 – When using do not smoke  
S51 – Use only in well ventilated areas.  
S24/25 – Avoid contact with skin and eyes.

**Relevant routes of exposure:** Skin, Inhalation, Eyes

**Potential Health Effects**

<b>Inhalation:</b>	May cause respiratory tract irritation. High concentrations of vapours may cause headache, fatigue, drowsiness and dizziness.
<b>Skin contact:</b>	May cause allergic skin reaction. May cause skin irritation. Product has a defatting effect on skin. Prolonged contact may cause dryness of skin.
<b>Eye contact:</b>	Contact with eyes will cause irritation.
<b>Ingestion:</b>	Harmful. May cause lung damage if swallowed.

**SECTION 4 - FIRST AID MEASURES**

<b>Inhalation:</b>	Remove to fresh air. If symptoms develop and persist, get medical attention.
<b>Skin contact:</b>	Wash with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if symptoms occur.
<b>Eye contact:</b>	Check for and remove any contact lenses. Immediately flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.
<b>Ingestion:</b>	Do not induce vomiting. Rinse mouth thoroughly. Loosen any tight clothing. Keep individual calm. Obtain medical attention.

**SECTION 5 - FIRE FIGHTING MEASURES**

<b>Flash point:</b>	-17°C (Abel)
<b>Autoignition temperature:</b>	>300°C
<b>Flammable/Explosive limits-lower %:</b>	1%
<b>Flammable/Explosive limits-upper %:</b>	12%
<b>Extinguishing media:</b>	Foam, dry chemical or carbon dioxide.
<b>Special fire fighting procedures:</b>	None
<b>Unusual fire or explosion hazards:</b>	None
<b>Hazardous combustion products:</b>	Oxides of carbon. Irritating organic vapours. Keep run-off water out of sewers and water sources.
<b>Hazchem Code:</b>	3[Y]E

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

<b>Environmental precautions:</b>	Extinguish all ignition sources. Ventilate well. Use approved respirator if air contamination is above accepted level. Prevent product from entering drains or open waters.
<b>Clean-up methods:</b>	Soak up with inert absorbent. Store in a partly filled, closed container until disposal.

**SECTION 7 - HANDLING AND STORAGE**

<b>Handling:</b>	Avoid contact with eyes, skin and clothing. Avoid breathing vapour and mist. Wash thoroughly after handling.
<b>Storage:</b>	For safe storage, store at or below 38°C (100°F). Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.
<b>Incompatible products:</b>	Refer to Section 10.

**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

<b>Engineering controls:</b>	No specific ventilation requirements noted, but forced ventilation may still be required if concentrations exceed occupational exposure limits.
<b>Respiratory protection:</b>	If work practices do not maintain airborne level below the exposure standard, use appropriate respiratory protection equipment. When using respirators, select an appropriate combination of mask and filter and select a filter for organic gases and vapours (boiling point > 65 °C). Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.
<b>Skin protection:</b>	Use impermeable gloves and protective clothing as necessary to prevent skin contact. Neoprene gloves. butyl rubber gloves. Natural rubber gloves.
<b>Eye/face protection:</b>	Safety goggles or safety glasses with side shields.
<b>Dispensing:</b>	Electrostatic charges may be generated during transfer. Electrostatic discharge may cause fire. Ensure electrical continuity by earthing all equipment.
<b>Flammability:</b>	Highly flammable
<b>See Section 2 for exposure limits.</b>	

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid.
<b>Colour:</b>	Clear, colourless.
<b>Odour:</b>	Organic solvents.
<b>pH:</b>	Not available
<b>Boiling point/range:</b>	>80°C.
<b>Melting point/range:</b>	Not available
<b>Specific gravity:</b>	0.72 at 15°C.
<b>Vapour density:</b>	>1
<b>Evaporation rate:</b>	Not available
<b>Solubility in water:</b>	Insoluble.

## SECTION 10 - STABILITY AND REACTIVITY

<b>Stability:</b>	Stable.
<b>Hazardous polymerization:</b>	Will not occur.
<b>Hazardous decomposition products:</b>	Oxides of carbon.
<b>Incompatibility:</b>	Strong oxidizers. Strong reducing agents.
<b>Conditions to avoid:</b>	See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10).

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Product toxicity data:

#### Acute:

<b>Swallowed:</b>	Expected to be of low toxicity:. Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.
<b>Eye:</b>	Irritating to eyes.
<b>Skin:</b>	Irritating to skin. Prolonged contact may cause defatting of skin which can lead to dermatitis.
<b>Inhaled:</b>	Inhalation of vapours or mists may cause irritation to the respiratory system. High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea; continued inhalation may result in unconsciousness and/or death.

<b>Chronic:</b>	Central nervous system: repeated exposure affects the nervous system. Effects seen at high doses only. Respiratory system: repeated exposure affects the respiratory system. Effects seen at high doses only.
Petroleum hydrocarbons	Oral: LD <sub>50</sub> >2,000 mg/Kg (rat). Skin: LD <sub>50</sub> >2,000mg/Kg (rabbit) Inhalation LC <sub>50</sub> :20mg/L/4hr (rat)

#### SECTION 12 - ECOLOGICAL INFORMATION

<b>Ecological information:</b>	Dangerous to the environment if discharged into watercourses.
<b>Ecotoxicity:</b>	Fish : Toxic 1<LC/EC/IC <sub>50</sub> <= 10mg/l Aquatic Invertebrates : Harmful: 10<LC/EC/IC <sub>50</sub> <= 100mg/l Algae : Low toxicity: LC/EC/IC <sub>50</sub> > 100mg/l
<b>Mobility:</b>	Floats on water, highly mobile and may contaminate groundwater.
<b>Persistence/degradability:</b>	Readily Biodegradable. Oxidises by photo-chemical reactions in air.
<b>Bioaccumulation:</b>	Does not bioaccumulate significantly

#### SECTION 13 - DISPOSAL CONSIDERATIONS

**Recommended method of disposal:** Dispose of according to Federal, State and local governmental regulations.

#### SECTION 14 - TRANSPORT INFORMATION

##### Domestic (Land):

<b>Proper shipping name:</b>	Flammable Liquid, N.O.S.
<b>Hazard class or division:</b>	3[Y]E
<b>Identification number:</b>	1993
<b>Packing group:</b>	II

##### International Air Transportation (ICAO/IATA):

<b>Proper shipping name:</b>	Flammable Liquid, N.O.S.
<b>Hazard class or division:</b>	3[Y]E
<b>Identification number:</b>	1993
<b>Packing group:</b>	II

#### SECTION 15 - REGULATORY INFORMATION

<b>Poisons Schedule (SUSDP):</b>	S6.
<b>ADG Code:</b>	Class 3 Dangerous Goods – Flammable Liquid
<b>NOHSC:</b>	Hazardous.

#### SECTION 16 – OTHER INFORMATION

<b>Abbreviations/Acronyms:</b>	ADG – Australian Dangerous Goods. AICS – Australian Inventory of Chemical Substances. HSIS - Hazardous Substances Information System. IARC – International Agency for Research on Cancer. NIOSH – National Institute of Occupational Health and Safety. NOS – Not Otherwise Specified. PEL – Permissible Exposure Limit. STEL – Short Term Exposure Limit. SWA – SafeWork Australia, formally ASCC and NOHSC.
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SUSDP – Standard for the Uniform Scheduling of Drugs and Poisons.

TLV – Threshold Limit Value.

TWA – Time Weighted Average.

#### **DISCLAIMER**

The information contained within this MSDS applies only to the Chemtools product to which the sheet relates.

The information provided is based on our best knowledge at the time of issue.

The information contained within this MSDS is believed to be accurate and is given in good faith. However, no warranty is made, either expressed or implied, regarding its accuracy or any liability arising out of the use of the information herein or the product supplied.

When used in other preparations, formulations, or in mixtures, it is necessary to ascertain whether the classifications of the hazards have changed. The attention of the user is drawn to the possibility of creating other hazards when the product is used for purposes other than that for which it was recommended. In such cases, a reassessment may be necessary and should be made by the user.

This safety data sheet should only be used and reproduced in order that the necessary measures are taken relating to the protection of health and safety at work.

It is the responsibility of the handlers to pass on the totality of the information contained within this document to any subsequent person(s) who will come in to contact with, handle or use this product in any way.

They should check the adequacy of the information provided within this MSDS before passing it on to their customers/staff.