



# A NEW FORCE IN CHEMICAL MANUFACTURING

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## SAFETY DATA SHEET

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

### SCGO SOLUBLE CUTTING FLUID G.P

#### SECTION 1 - IDENTIFICATION OF THE MATERIAL

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**PRODUCT NAME** Soluble Cutting Fluid G.P  
**PRODUCT TYPE** Water Soluble Cutting Fluid  
**PART NUMBER** CT-SCGO  
**AVAILABLE SIZES** 1L (CT-SCGO-1L)  
5L (CT-SCGO-4L)  
20L (CT-SCGO-20L)

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

HAZARDOUS COMPONENTS	CAS #	%	TWA HSIS	STEL HSIS
Heavy solvent, dewaxed paraffinic oil	64742-65-0	>60		
2-phenylphenol	90-43-7	<5		
diethanolamine	111-42-2	<1	3ppm, 13mg/m <sup>3</sup>	
2-(2-butoxyethoxy) ethanol	112-34-5	<1		
Complex mixture of performance additives		30-60		

#### SECTION 3 - HAZARDS IDENTIFICATION

##### Statement of Hazardous Nature

This product is classified as: Non-Hazardous according to the criteria of SafeWork Australia. Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

##### Risk Phrases:

##### Safety Phrases:

S2 - Keep out of reach of children.

##### Major Health Hazards:

##### ACUTE

##### SWALLOWED:

May cause slight irritation to the mouth, throat and digestive tract. Ingestion of large quantities of this product may cause nausea, vomiting, diarrhoea and general weakness. During normal usage ingestion should not be a means of exposure.

##### EYE:

May cause slight to moderate irritation to the eyes.

<b>SKIN:</b>	Prolonged contact may cause irritation to the skin. This product contains diethanolamine. Research has been conducted on dermally applied diethanolamine for its potential carcinogenic activity. At concentrations present in this product diethanolamine together with the other severely refined mineral oils are considered not to be carcinogenic. Correct handling procedures incorporating appropriate protective clothing and gloves should minimise the risk of skin irritation.
<b>INHALED:</b>	Inhalation of vapours or mist (generated at elevated temperatures) may cause irritation to the nose, throat and upper respiratory tract as well as headache, dizziness and unco-ordination.
<b>CHRONIC:</b>	Prolonged or repeated skin contact may cause dermatitis. Prolonged or repeated exposure to 2 - (2-Butoxyethoxy) ethanol may cause haemolytic anaemia based on data with laboratory animals.

#### SECTION 4 - FIRST AID MEASURES

##### FIRST AID

<b>SWALLOWED:</b>	Do NOT induce vomiting. If conscious, wash out mouth with water and seek medical advice.
<b>EYE:</b>	Wash with copious amounts of water for 15 minutes, holding eye open and seek medical aid if irritation develops or persists.
<b>SKIN:</b>	Remove contaminated clothing and launder before re-use. Wash skin thoroughly with plenty of soap and water. Seek medical advice if irritation develops.
<b>INHALED:</b>	Remove person from exposed area to fresh air and seek medical aid. If not breathing, apply artificial respiration and seek urgent medical aid.
<b>FIRST AID FACILITIES:</b>	Eye wash fountains and safety showers are recommended.
<b>ADVICE TO DOCTOR:</b>	Treat symptomatically. This product may present an aspiration hazard. If vomiting has occurred after ingestion, the patient should be monitored for adverse effects.

#### SECTION 5 - FIRE FIGHTING MEASURES

<b>Fire and Explosion Hazards:</b>	Not flammable under conditions of use. Is a combustible liquid that will burn if preheated. Classified as a Class 2 Combustible Liquid. Store in a cool, well ventilated area away from ignition sources, oxidising agents, foodstuffs and clothing. Keep containers closed when not in use.
<b>Extinguishing Media:</b>	Water fog, foam, dry chemical or carbon dioxide
<b>Fire Fighting:</b>	n/a
<b>Flash point:</b>	Greater than 282°C (540°F) [ASTM D-92]
<b>Upper Flammability Limit:</b>	0.9%
<b>Lower Flammability Limit:</b>	7.0%
<b>Autoignition temperature:</b>	n/a
<b>Flammability Class:</b>	n/a

#### SECTION 6 - ACCIDENTAL RELEASE MEASURES

<b>Accidental release:</b>	In the event of a major spill, prevent spillage from entering drains or water courses. Wear protective clothing including eye/face protection.. See below
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under Personal Protection regarding Australian Standards relating to personal protective equipment. Suitable materials for protective clothing include rubber, PVC. Eye/face protective equipment should comprise as a minimum, protective goggles.

Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services.

## SECTION 7 - HANDLING AND STORAGE

**Handling:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

**Storage:** Classified as a Class 2 combustible liquid. Store in a cool, well ventilated area away from ignition sources, oxidising agents, foodstuffs and clothing. Keep containers closed when not in use.

## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: AS/NZS 1715, Protective Gloves: AS 2161, Industrial Clothing: AS2919, Industrial Eye Protection: AS1336 and AS/NZS 1337, Occupational Protective Footwear: AS/NZS2210.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: This product should only be used where there is ventilation that is adequate to keep exposure below the TWA levels. If necessary, use a fan.

**Eye Protection:** Protective glasses or goggles should be worn when this product is being used. Failure to protect your eyes may cause them harm. Emergency eye wash facilities are also recommended in an area close to where this product is being used.

**Skin Protection:** Prevent skin contact by wearing impervious gloves, clothes and, preferably, apron. Make sure that all skin areas are covered. See below for suitable material types.

**Protective Material Types:** We suggest that protective clothing be made from the following materials: rubber, PVC.

**Respirator:** Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical Description &amp; colour:</b>	Dark Oily Liquid
<b>Odour:</b>	Mineral Oil
<b>Boiling Point:</b>	n/a
<b>Freezing/Melting Point:</b>	n/a
<b>Volatiles:</b>	n/a
<b>Vapour Pressure:</b>	n/a
<b>Vapour Density:</b>	No data.
<b>Specific Gravity:</b>	0.91
<b>Water Solubility:</b>	Forms an emulsion
<b>pH:</b>	
<b>Volatility:</b>	No data.
<b>Odour Threshold:</b>	No data.
<b>Evaporation Rate:</b>	No data.
<b>Coeff Oil/water distribution:</b>	No data
<b>Autoignition temp:</b>	No Data.

**SECTION 10 - STABILITY AND REACTIVITY**

<b>Reactivity:</b>	
<b>Conditions to Avoid:</b>	None known.
<b>Incompatibilities:</b>	No particular Incompatibilities.
<b>Fire Decomposition:</b>	Oxides of carbon, oxides of nitrogen, soot, smoke and fumes.
<b>Polymerisation:</b>	This product will not undergo polymerisation reactions

**SECTION 11 - TOXICOLOGICAL INFORMATION**

<b>Local Effects:</b>	None known.
<b>Ingredient Risk Phrases:</b>	None known.

**SECTION 12 - ECOLOGICAL INFORMATION**

This product is unlikely to adversely affect the environment in the long term. Salts, acids and bases are typically diluted and neutralised when released to the environment in small quantities. However, until diluted, this product is likely to be harmful to aquatic organisms due to its low pH.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

<b>Recommended method of disposal:</b>	Recover or recycle if possible. Dispose of according to Federal, State and local governmental regulations.
<b>Container disposal:</b>	Drain container thoroughly. Recycle if possible.

**SECTION 14 - TRANSPORT INFORMATION**

<b>ADG Code:</b>	not regulated
<b>Hazchem Code:</b>	non hazardous
<b>Special Provisions:</b>	
<b>Limited quantities:</b>	
<b>Limited quantities:</b>	
<b>Dangerous Goods Class:</b>	N/A

Sub Risk:

Packaging Group:

Packaging Method:

#### SECTION 15 - REGULATORY INFORMATION

**Poisons Schedule (SUSDP):** Not listed

#### SECTION 16 – OTHER INFORMATION

**Abbreviations/Acronyms:**

- 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.
- 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.