

# Liquid Gold



Drilling



Tapping



Cutting



SQUEEZE BOTTLE



120ml  
Cutting Lubricant

Closable turret cap  
for accurate  
directional pouring



250ml  
Cutting Lubricant

### Liquid Gold Cutting Fluid

METAL - STEEL

120ML

Code: ATL001

250ML

Code: ATL005

### Product Features

- Formulated for extreme cutting performance when tapping, drilling or reaming into all metals including hardened steel and titanium. Special additives reduce friction, extend tool life and provide an excellent surface finish.
- Perfect to use with Alpha Cutting tools especially Stainless Plus drills
- Improves overall cutting tool performance, particularly in Steels, Stainless steels and hard to machine materials.
- Non-flammable
- Environmentally safe
- Scannable QR code link to SDS on bottle

# SAFETY DATA SHEET



Cutting Tool Perfection

## ALPHA C.D.T.

### SHEFFIELD GROUP

Catalogue number: ATL001 / ATL005

Version No: 1.2

Issue date: 10/01/2022

Safety Data Sheet according to WHS and ADG requirements

## SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

### Product Identifier

|                               |                 |
|-------------------------------|-----------------|
| Product name                  | ALPHA C.D.T.    |
| Synonyms                      | ATL001 / ATL005 |
| Other means of identification | Not Available   |

### Relevant identified uses of the substance or mixture and uses advised against

|                          |                                     |
|--------------------------|-------------------------------------|
| Relevant identified uses | Cutting, Drilling and Tapping fluid |
|--------------------------|-------------------------------------|

### Details of the manufacturer/importer

|                         |                                                                    |
|-------------------------|--------------------------------------------------------------------|
| Registered company name | SHEFFIELD GROUP                                                    |
| Address                 | 111 Munibung Rd Boolaroo 2284 NSW Australia                        |
| Telephone               | +61 2 4957 8787                                                    |
| Fax                     | +61 2 4957 3737                                                    |
| Website                 | <a href="http://www.sheffield.com.au">www.sheffield.com.au</a>     |
| Email                   | <a href="mailto:sales@sheffield.com.au">sales@sheffield.com.au</a> |

### Emergency telephone number

|                                   |                            |
|-----------------------------------|----------------------------|
| Association / Organisation        | Poisons Information Centre |
| Emergency telephone numbers       | 13 1126                    |
| Other emergency telephone numbers | Not Available              |

## SECTION 2 HAZARDS IDENTIFICATION

### Classification of the substance or mixture

NON-HAZARDOUS CHEMICAL. NON-DANGEROUS GOODS. According to the Model WHS Regulations and the ADG Code.

|                    |                |
|--------------------|----------------|
| Poisons Schedule   | Not Applicable |
| GHS Classification | Not Applicable |

### Label elements

|                    |                |
|--------------------|----------------|
| GHS label elements | Not applicable |
|--------------------|----------------|

|             |                |
|-------------|----------------|
| SIGNAL WORD | NOT APPLICABLE |
|-------------|----------------|

### Hazard statement(s)

Not Applicable

### Precautionary statement(s) Prevention

|      |                               |
|------|-------------------------------|
| P102 | Keep out of reach of children |
|------|-------------------------------|

### Precautionary statement(s) Response

Not Applicable

### Precautionary statement(s) Storage

Not Applicable

### Precautionary statement(s) Disposal

|      |                                                                      |
|------|----------------------------------------------------------------------|
| P501 | Dispose of contents / container in accordance with local regulations |
|------|----------------------------------------------------------------------|

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

### Substances

See section below for composition of Mixtures

### Mixtures

All ingredients are non-hazardous

## SECTION 4 FIRST AID MEASURES

### Description of first aid measures

|                     |                                                                                                                                                                                                                                      |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye Contact</b>  | If this product comes in contact with eyes:<br>Wash out immediately with water.<br>If irritation continues, seek medical attention.<br>Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. |
| <b>Skin Contact</b> | If skin contact occurs with concentrate:<br>Flush skin and hair with running water.<br>Seek medical advice in event of irritation.                                                                                                   |
| <b>Inhalation</b>   | Not applicable                                                                                                                                                                                                                       |
| <b>Ingestion</b>    | Do NOT induce vomiting.<br>Immediately give a glass of water.<br>First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.                                                                 |

### Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5 FIREFIGHTING MEASURES

### Extinguishing media

|                            |                                                                      |
|----------------------------|----------------------------------------------------------------------|
| <b>Extinguishing media</b> | There is no restriction on the type of extinguisher that may be used |
|----------------------------|----------------------------------------------------------------------|

### Special hazards arising from the substrate or mixture

|                             |            |
|-----------------------------|------------|
| <b>Fire incompatibility</b> | None known |
|-----------------------------|------------|

### Advice for firefighters

|                              |                                                                 |
|------------------------------|-----------------------------------------------------------------|
| <b>Fire Fighting</b>         | Alert Fire Brigade and tell them location and nature of hazard. |
| <b>Fire/Explosion Hazard</b> | Noncombustible.                                                 |

## SECTION 6 ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

|                     |                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Minor Spills</b> | Flush away with copious amounts of water.                                                                                                                                                                                                                                                                                                                         |
| <b>Major Spills</b> | Absorb on sand, dirt, vermiculite or similar absorbent material. Place into labelled drums and dispose of according to local government regulations.<br>Immediately notify emergency services (Police or Fire Brigade) if the spill is too large for you to safely and effectively handle.<br>Prevent by any means available any spillage entering a watercourse. |
|                     | Personal Protective Equipment advice is contained in Section 8 of the SDS                                                                                                                                                                                                                                                                                         |

## SECTION 7 HANDLING AND STORAGE

### Precautions for safe handling

|                          |                                                                                                                                                                                               |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Safe handling</b>     | Wear suitable protective clothing depending on the circumstances.<br>Do not mix with other chemicals unless expressly recommended by the manufacturer.<br>Always store in original container. |
| <b>Other information</b> |                                                                                                                                                                                               |

### Conditions for safe storage, including any incompatibilities

|                                |                               |
|--------------------------------|-------------------------------|
| <b>Suitable container</b>      | Polyethylene or polypropylene |
| <b>Storage incompatibility</b> | Strong acids and bases        |

### PACKAGE MATERIAL INCOMPATIBILITIES

Not Available

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION


### Control parameters

#### OCCUPATIONAL EXPOSURE LIMITS (OEL)

#### INGREDIENT DATA

Not Available

### Exposure controls

|                                  |                                                                                   |
|----------------------------------|-----------------------------------------------------------------------------------|
| Appropriate engineering controls | Not required                                                                      |
| Personal protection              |  |
| Eye and face protection          | It is a good practice to wear gloves to prevent drying of the skin.               |
| Hands/feet protection            | Not applicable                                                                    |

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                                              |                           |                                         |                |
|----------------------------------------------|---------------------------|-----------------------------------------|----------------|
| Appearance                                   | Dark brown viscous liquid |                                         |                |
| Physical state                               | Liquid                    | Relative density (Water = 1)            | 0.91 @ 20°C    |
| Odour                                        | Slight sulfur odour       | Partition coefficient n-octanol / water | Not Available  |
| Odour threshold                              | Not Available             | Auto-ignition temperature (°C)          | Not Applicable |
| pH (as supplied)                             | Not Applicable            | Decomposition temperature               | Not Available  |
| Melting point / freezing point (°C)          | Not Available             | Viscosity (cSt)                         | 100 @ 20°C     |
| Initial boiling point and boiling range (°C) | >250°C                    | Molecular weight (g/mol)                | Not Available  |
| Flash point (°C)                             | 180°C                     | Taste                                   | Not Available  |
| Evaporation rate                             | Not Available             | Explosive properties                    | Not Available  |
| Flammability                                 | Not Applicable            | Oxidising properties                    | Not Available  |
| Upper Explosive Limit (%)                    | Not Applicable            | Surface Tension (dyn/cm or mN/m)        | Not Available  |
| Lower Explosive Limit (%)                    | Not Applicable            | Volatile Component (%vol)               | Not Available  |
| Vapour pressure (kPa)                        | Not Available             | Gas group                               | Not Available  |
| Solubility in water (g/L)                    | Immiscible                | pH as a solution                        | Not Available  |
| Vapour density (Air = 1)                     | Not Available             | VOC g/L                                 | Not Available  |

## SECTION 10 STABILITY AND REACTIVITY

|                                    |                                                                                                                                  |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                         | See section 7                                                                                                                    |
| Chemical stability                 | Unstable in the presence of incompatible materials.<br>Product is considered stable.<br>Hazardous polymerisation will not occur. |
| Possibility of hazardous reactions | See section 7                                                                                                                    |
| Conditions to avoid                | See section 7                                                                                                                    |
| Incompatible materials             | See section 7                                                                                                                    |
| Hazardous decomposition products   | Hydrogen sulfide                                                                                                                 |

## SECTION 11 TOXICOLOGICAL INFORMATION

### Information on toxicological effects

|              |                                                                            |
|--------------|----------------------------------------------------------------------------|
| Inhaled      | Prolonged exposure may cause respiratory tract irritation                  |
| Ingestion    | Harmful if swallowed. May result in gastrointestinal disorders and nausea. |
| Skin Contact | Repeated contact may cause skin irritation.                                |
| Eye          | May cause irritation by direct contact.                                    |
| Chronic      | No relevant data available.                                                |

**SECTION 12 ECOLOGICAL INFORMATION****Toxicity**

No data available.

**Persistence and degradability**

| Ingredient | Persistence: Water/Soil               | Persistence: Air                      |
|------------|---------------------------------------|---------------------------------------|
|            | No Data available for all ingredients | No Data available for all ingredients |

**Bio accumulative potential**

| Ingredient | Bioaccumulation                       |
|------------|---------------------------------------|
|            | No Data available for all ingredients |

**Mobility in soil**

| Ingredient | Mobility                              |
|------------|---------------------------------------|
|            | No Data available for all ingredients |

**SECTION 13 DISPOSAL CONSIDERATIONS****Waste treatment methods**

| Product / Packaging disposal |                                                                                                                                                 |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
|                              | Recycle containers whenever possible.<br>Product residues and containers should be disposed of in accordance with local government regulations. |

**SECTION 14 TRANSPORT INFORMATION****Labels Required**

| Marine Pollutant |                |
|------------------|----------------|
|                  | NO             |
| HAZCHEM          |                |
|                  | Not Applicable |

Land transport (ADG): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

**SECTION 15 REGULATORY INFORMATION****Safety, health and environmental regulations / legislation specific for the substance or mixture**

Not Applicable

**SECTION 16 OTHER INFORMATION****Revision Schedule**

| Revision Date |            |
|---------------|------------|
|               | 10/01/2022 |
| Initial Date  |            |
|               | 05/06/2017 |

**SDS Version Summary**

| Version | Issue Date | Sections Updated        |
|---------|------------|-------------------------|
| 1.1     | 05/06/2017 | All sections originated |
| 1.2     | 10/01/2022 | 1 and 16                |

**Other information**

Classification of the preparation and its individual components has drawn on official and authoritative sources such as the ECHA C&L Chemical Inventory, CCID New Zealand, GESTIS Germany, NICNAS and HCIS Australia and supplier's dossier.

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**Definitions and abbreviations**

|          |                                                         |
|----------|---------------------------------------------------------|
| PC-TWA;  | Permissible Concentration-Time Weighted Average         |
| PC-STEL; | Permissible Concentration-Short Term Exposure Limit     |
| IARC;    | International Agency for Research on Cancer             |
| ACGIH;   | American Conference of Government Industrial Hygienists |
| STEL;    | Short Term Exposure Limit                               |
| TEEL;    | Temporary Emergency Exposure Limit                      |
| IDLH;    | Immediate Danger to Life or Health Concentrations       |
| OSF;     | Odour Safety Factor                                     |
| NOAEL;   | No Observed Effects Level                               |
| TLV;     | Threshold Limit Value                                   |
| LOD;     | Limit Of Detection                                      |
| OTV;     | Odour Threshold Value                                   |
| BCF;     | Bio Concentration Factors                               |
| BEI;     | Biological Exposure Index                               |

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**End of SDS**