

SAFETY DATA SHEET



Cutting Tool Perfection

ALPHA GOLD SERIES JOBBER DRILLS

SHEFFIELD GROUP

Catalogue numbers: 9LM*, 9LI*, 9ELM*, 9ELI, 9EXLM*, C9QRM*

Version No: 1.1

Issue date: 01/09/2022

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 GOLD SERIES JOBBER DRILLS
Catalogue numbers	9LM*, 9LI*, 9ELM*, 9ELI, 9EXLM*, C9QRM*

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

Relevant identified uses	Drilling
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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	www.sheffield.com.au
Email	sales@sheffield.com.au

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. All ingredients are non-hazardous in the percentages in which they are included in the product.

Label elements

Hazard pictograms	Not applicable.
SIGNAL WORD	Not applicable

Hazard statement(s)

Not applicable. All ingredients are non-hazardous in the percentages in which they are included in the product

Precautionary statement(s) Prevention

Not Applicable

Precautionary statement(s) Response

Not Applicable

Precautionary statement(s) Storage

Not Applicable

Precautionary statement(s) Disposal

Not Applicable

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS**Substances**

CAS No	Percentage (weight)	Name
7440-44-0	<10	Carbon
7440-33-7	<10	Tungsten
7440-62-2	<10	Vanadium
7439-98-7	<10	Molybdenum
7440-47-3	<10	Chromium
7439-89-6	>60	Iron
25583-20-4	<10	Titanium nitride

SECTION 4 FIRST AID MEASURES**Description of first aid measures**

Eye Contact	Unlikely to occur due to the nature of the product. If particles from the drill enter the eye the eye should be thoroughly washed with water and medical advice/attention obtained.
Skin Contact	After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.
Inhalation	If fumes are inhaled from drilling, causing respiratory distress, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Ingestion	Due to the nature of the product this will not occur

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5 FIREFIGHTING MEASURES**Extinguishing media**

Extinguishing media	The product is nonflammable
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Special hazards arising from the substrate or mixture

Fire incompatibility	None known
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Advice for firefighters

Fire Fighting	The product is nonflammable
Fire/Explosion Hazard	The product is nonflammable

SECTION 6 ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Minor Spills	Not applicable
Major Spills	Not applicable
PPE	Not applicable

SECTION 7 HANDLING AND STORAGE**Precautions for safe handling**

Safe handling	No special procedures are necessary.
Other information	Not applicable

Conditions for safe storage, including any incompatibilities

Suitable container	Original containers
Storage incompatibility	Avoid moisture
Other information	Not applicable

PACKAGE MATERIAL INCOMPATIBILITIES

Not Available

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
Australia Exposure Standards	Tungsten	Tungsten	5 mg/m3	10 mg/m3	Not available	Not available
Australia Exposure Standards	Molybdenum	Molybdenum	10 mg/m3	Not available	Not available	Not available
Australia Exposure Standards	Chromium	Chromium	0.5 mg/m3	Not available	Not available	Not available

Exposure controls

Appropriate engineering controls	Always maintain adequate ventilation. If dusts or mists are produced local exhaust ventilation should be used.
Personal protection	
Eye and face protection	Wear eye protection/face protection with side shield.
Hands/feet protection	Wear gloves of impervious material. Refer to AS/NZS 2161.1: Occupational protective gloves – Selection, use and maintenance
Body protection	Dust coat / overalls
Other protection	Usually, no personal respiratory protection necessary.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Gold drills		
Physical state	Solid	Relative density (Water = 1)	Not Available
Odour	Not applicable	Molecular weight (g/mol)	Not Available
Odour threshold	Not applicable	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	Not applicable	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Surface Tension (dyn/cm or mN/m)	Not applicable
Initial boiling point and boiling range (°C)	Not Available	Partition coefficient n-octanol / water	Not applicable
Flash point (°C)	Not applicable	Taste	Not Available
Evaporation rate	Not applicable	Explosive properties	Not applicable
Flammability	Nonflammable	Oxidising properties	Not applicable
Upper Explosive Limit (%)	Not applicable	Viscosity (cSt)	Not applicable
Lower Explosive Limit (%)	Not applicable	Volatile Component (%vol)	Not applicable
Vapour pressure (hPa)	Not Available	Gas group	Not applicable
Solubility in water (g/L)	Insoluble	pH as a solution	Not applicable
Vapour density (Air = 1)	Not applicable	VOC g/L	Not applicable

SECTION 10 STABILITY AND REACTIVITY

Reactivity	Non-reactive
Chemical stability	The product is chemically stable
Possibility of hazardous reactions	Non-reactive
Conditions to avoid	See Section 7
Incompatible materials	None known
Hazardous decomposition products	Non-reactive.

SECTION 11 TOXICOLOGICAL INFORMATION**Information on toxicological effects**

Acute toxicity	No available data
Inhalation	Fumes may irritate the respiratory system.
Ingestion	Not applicable
Skin	No adverse effect expected
Eye	Metal particles may cause damage and irritation. Fumes may be irritating.
Chronic effects	Not expected to cause chronic health effects.

SECTION 12 ECOLOGICAL INFORMATION**Toxicity**

No data available

Persistence and degradability

No data available

Bio accumulative potential

No data available

Mobility in soil

No data available

SECTION 13 DISPOSAL CONSIDERATIONS**Waste treatment methods**

Product / packaging disposal	Recycle containers whenever possible. Product residues and containers should be disposed of in accordance with local government regulations.
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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**

Components of this product are listed on the Australian Inventory of Industrial Chemicals (AIIC)

SECTION 16 OTHER INFORMATION**Revision Schedule**

Revision Date	Not applicable
Initial Date	01/09/2022

SDS Version Summary

Version	Issue Date	Sections Updated
1.1	01/09/2022	All sections originated

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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