



Issue Date 12-12-2018

Revision date 10-16-2017

Revision Number 1

1. Identification

Product identifier

Product name S-500 CF

Other means of identification

Recommended use of the chemical and restrictions on use

Material Uses Coolant

Uses advised against Verify Applications

Details of manufacturer or importer

Supplier

LiveTools PTY Limited
115 Young St. Carrington
NSW 2294 Australia
Telephone: 02 4017 0198

Contact Point

Emergency telephone number

Emergency telephone number Livetools: 02 4017 0198

2. Hazard(s) identification

Not classified as hazardous according to criteria of NOHSC.

GHS Classification

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

Label Elements

Hazard statements

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

Other Hazards

No known effect

General Hazards No information available

3. Composition/information on ingredients

Substance

Not applicable

4. First-aid measures**Description of first aid measures**

Emergency telephone number	Poisons Information Center, Australia: 13 11 26 Poisons Information Center, New Zealand: 0800 764 766
Inhalation	Remove to fresh air.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact	Wash skin with soap and water.
Ingestion	Do NOT induce vomiting. Drink plenty of water. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. Fire-fighting measures**Suitable extinguishing media**

Suitable Extinguishing Media Water spray or fog is preferred; if water not available use dry chemical, CO2 or regular foam.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Specific hazards arising from the chemical May be ignited by heat, sparks or flames. Keep product and empty container away from heat and sources of ignition.

Hazardous combustion products Carbon oxides.

Special protective actions for fire-fighters

Special protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Personal precautions Remove all sources of ignition. Avoid contact with skin and eyes. Wear protective gloves/protective clothing and eye/face protection. Ensure adequate ventilation.

For emergency responders Use personal protection recommended in Section 8.

Environmental precautions

Environmental precautions No unusual hazard.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so. Dike to collect large liquid spills.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

Precautions to prevent secondary hazards

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

7. Handling and storage

Precautions for safe handling

Advice on safe handling Avoid contact with eyes. Keep container in a well-ventilated place. Do not puncture or incinerate cans.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place. Keep away from direct sunlight. Keep away from heat.

Incompatible materials Acids and oxidizing agents.

8. Exposure controls/personal protection

Control parameters

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering controls Use in well-ventilated area. If user operations generate mist, use process enclosures, local exhaust ventilation or other engineering controls to control airborne levels below TLV TWA: 5 mg/m³ and TLV STEL: 10 mg/m³.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles). Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337- Eye Protectors for Industrial Applications.

Skin and body protection Use protective gloves and clothing if contact with product is likely.

Respiratory protection If engineering controls are not effective in controlling airborne exposure then an approved

respirator with a replaceable vapor/mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Environmental exposure controls No unusual hazard.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state	Liquid
appearance	clear
Color	green
Odor	Mild.
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	9.1	
Melting point / freezing point	-	
Boiling point / boiling range	143 °C	
Flash point	162 °C	
Evaporation rate	No data available	
Flammability (solid, gas)	No data available	
Flammability Limit in Air		None known
Upper flammability limit:	No data available	
Lower flammability limit:	No data available	
Vapor pressure	<0.01 mmHg @ 20 °C	
Vapor density	> 5	
Relative Density	0.93	
Water solubility	Soluble in water	
Solubility in other solvents	No information available	
Partition coefficient	No data available	
Autoignition temperature	No data available	
Decomposition temperature	No data available	
Kinematic viscosity	43 cSt @ 40°C	
Dynamic viscosity	No data available	
Explosive properties	None known	
Oxidizing properties	None known	

Other information

Softening point	No information available
VOC Content (%)	No information available
Liquid Density	No information available
Bulk density	No information available

10. Stability and reactivity

Reactivity

Reactivity No unusual hazard.

Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

Hazardous polymerization Hazardous polymerization does not occur.

Conditions to avoid

Conditions to avoid Keep away from open flames, hot surfaces and sources of ignition.

Incompatible materials

Incompatible materials Acids and oxidizing agents.

Hazardous decomposition products

Hazardous decomposition products Carbon oxides.

11. Toxicological information

Acute Health Effects**Information on likely routes of exposure**

Product Information	.
Inhalation	No unusual hazard.
Eye contact	No unusual hazard.
Skin contact	No unusual hazard.
Ingestion	No unusual hazard
Symptoms	None known.

Numerical measures of toxicity - Product Information

Unknown acute toxicity	No information available
Oral LD50	> 15000 mg/kg (rat)

See section 16 for terms and abbreviations

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	OECD 404 - Non-irritating and non-corrosive (rabbit).
Serious eye damage/eye irritation	No unusual hazard.
Respiratory or skin sensitization	No known effect.
Germ cell mutagenicity	No known effect.
Carcinogenicity	No known effect.
Reproductive toxicity	No known effect.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.

Aspiration hazard No unusual hazard.

12. Ecological information

Ecotoxicity

EC50 (calculated) >3mg/L

Ecotoxicity NOEC (Fish).

Persistence and degradability

Persistence/Degradability Inherently biodegradable.

Bioaccumulative potential

Bioaccumulation No unusual hazard.

Mobility

Mobility in soil No unusual hazard.

Mobility in Environmental Media No information available.

Other adverse effects

Other adverse effects None known.

13. Disposal considerations

Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

14. Transport information

ADG Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG code)(7th edition).

IATA Not regulated
Proper shipping name Not applicable

IMDG Not regulated

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
 No information available

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture**National regulations****Australia**

Not classified as hazardous according to criteria of NOHSC.

See section 8 for national exposure control parameters

Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)

No poisons schedule number allocated

International Inventories

TSCA	Does not comply
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

International Regulations

Ozone-depleting substances (ODS) Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

16. Other information

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Revision Summary

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Key or legend to abbreviations and acronyms used in the safety data sheet**Legend SECTION 8: Exposure controls/personal protection**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
C	Carcinogen		

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage,

transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of SDS