



HANGSTERFER'S®

Research, Development & Manufacturing of Metalworking Lubricants

Safety Data Sheet

Issue Date 07-06-2020

Revision date 07-06-2020

Revision Number 3

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product identifier

Product name 5080

Other means of identification

Recommended use of the chemical and restrictions on use

Material Uses Coolant.
Uses advised against Verify Applications

Details of the supplier of the safety data sheet

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

Emergency telephone number

Emergency telephone number Livetools: 02 4017 0198

2. Hazards Identification

Not classified as hazardous according to criteria of NOHSC.

Classification

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

Label Elements

EMERGENCY OVERVIEW

The product contains no substances which at their given concentration, are considered to be hazardous to health

appearance amber

Physical state Liquid

Odor Mild

Hazards not otherwise classified (HNOC)

Other Information

3. Composition/information on Ingredients

Chemical Family Synthetic Fluid.

4. First Aid Measures

Description of first aid measures

Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
Skin contact	Wash skin with soap and water. Consult a physician if necessary.
Inhalation	Remove to fresh air. Consult a physician if necessary.
Ingestion	Do NOT induce vomiting. Drink plenty of water. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed

Symptoms	None known.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. Fire-Fighting Measures**Suitable extinguishing media**

Not applicable.

Unsuitable extinguishing media Not applicable.

Specific hazards arising from the chemical

None known.

Hazardous combustion products Carbon oxides.

Protective equipment and precautions for firefighters

Move containers from fire area if you can do it without risk.

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 boots, gloves and protective suit when handling large spills. Ensure adequate ventilation.

Other Information Report spills as required to the appropriate authorities.

Environmental precautions

Environmental precautions Keep out of waterways.

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 Clean-up Take up mechanically, placing in appropriate containers for disposal.

7. Handling and Storage**Precautions for safe handling**

Handling Keep container in a well-ventilated place. Do not puncture, crush or incinerate containers. Avoid contact with skin and eyes.

Conditions for safe storage, including any incompatibilities

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

Incompatible materials Acids and oxidizing agents.

8. Exposure Controls/Personal Protection

Control parameters

Exposure guidelines 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 an oil mist, use process enclosures, local exhaust ventilation or other engineering controls to control airborne levels below the recommended mineral oil mist exposure limits (ACGIH TLV TWA: 5 mg/m³; ACGIH TLV STEL: 10 mg/m³; OSHA PEL TWA: 5 mg/m³).

Individual protection measures, such as personal protective equipment

Eye/face protection Safety glasses with side-shields.

Skin and Body Protection Use protective gloves and clothing if contact with product is likely.

Respiratory protection If personal exposure levels cannot be maintained below accepted exposure limits, NIOSH/MSHA approved respiratory protection should be worn.

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

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Mild
appearance	amber	Odor threshold	No information available
Color	amber		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	9.6	
Melting point / freezing point	0 °C / 32 °F	
Boiling point / boiling range	100 °C / 212 °F	
Flash point	No data available	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit:	Not applicable	
Lower flammability limit:	Not flammable	
Vapor pressure	<1 mmHg @ 20 °C	
Vapor density	No information available	
Specific gravity	1.01	
Water solubility	Soluble in water	
Solubility in other solvents	No information available	
Partition coefficient	No information available	
Autoignition temperature	No information available	
Decomposition temperature		
Kinematic viscosity	28 cSt @ 40°C 134 SUS @ 100°F	
Dynamic viscosity	No information available	
VOC Content (%)	negligible	

10. Stability and Reactivity

Reactivity

No unusual hazard

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

None under normal use conditions.

Hazardous polymerization	Hazardous polymerization does not occur.
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Conditions to avoid

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

Incompatible materials

Acids and oxidizing agents.

Hazardous decomposition products

Carbon oxides.

11. Toxicological Information**Information on likely routes of exposure**

Product Information	Product does not present an acute toxicity hazard based on known information
Inhalation	No unusual hazard.
Eye contact	No unusual hazard.
Skin contact	No unusual hazard.
Ingestion	No unusual hazard.

Information on toxicological effects

Symptoms	None known.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	ET50. Non-corrosive.
Serious eye damage/eye irritation	No unusual hazard.
Sensitization	No known effect.
Mutagenic Effects	No known effect.
Carcinogenicity	No known effect.
Reproductive effects	No known effect.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Chronic toxicity	No known effect.
Aspiration Hazard	No unusual hazard.

Numerical measures of toxicity - Product Information

Oral LD50	> 5000 mg/kg (rat)
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12. Ecological Information**Ecotoxicity**

Persistence/Degradability

No unusual hazard

Bioaccumulation

No unusual hazard.

Other adverse effects

None known

13. Disposal Considerations**Waste treatment methods****Waste Disposal Method**

Dispose of in accordance with federal, state and local regulations.

Contaminated packaging

Waste code 15 01 10 may apply to empty containers. Empty containers should be taken for local recycling, recovery or waste disposal.

14. Transport Information**DOT**

UN-No	Not regulated
Proper shipping name	Not regulated
Packing group	Not regulated
Labels	Not regulated
Description	Not regulated

TDG

UN-No	Not regulated
Proper shipping name	Not regulated
Packing group	Not regulated
Labels	Not regulated
Description	Not regulated

IMDG

UN number	Not regulated
UN proper shipping name	Flammable liquid, corrosive, n.o.s.
Transport hazard class(es)	Not regulated
Packing group	Not regulated
Labels	Not regulated
Description	Not regulated

RID

UN-No	Not regulated
Proper shipping name	Not applicable
Packing group	Not regulated
ADR/RID-Labels	Not regulated
Description	Not regulated

IATA

UN number	Not regulated
Proper shipping name	Not applicable
Labels	Not regulated
Packing group	Not regulated

Description Not regulated

PG* : Packing group

15. Regulatory Information

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

U.S. Regulations & Inventories

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

No regulatory requirements found. All components of this product are either listed on the TSCA inventory or are exempt from listing requirements.

U.S. EPA Label information

EPA Pesticide registration number Not applicable

CANADA

16. Other Information

<u>NFPA</u>	Health hazards 1	Flammability 0	Instability 0	Physical and chemical properties - Personal Protection SECTION 8: Exposure controls/personal protection
<u>HMIS</u>	Health hazards 1	Flammability 0	Physical hazards 0	

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Revision Summary	Periodic Review

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