



SAFETY DATA SHEET

1. Identification of Material and Supplier

Product Name	TEMPILSTIK 1022F (550C)		
Part Number	TSC0550		
Other Names	None allocated		
Recommended Use	Temperature indicating product		
Supplier's Name	Independent Wholesale Welding Supply		
Address	Unit 2/170 Power Street, Glendenning, NSW. 2761		
All mail to:	PO Box 284 Doonside NSW 2767		
Telephone	61 2 8834 2400	Facsimile	61 2 8834 2498
Technical Support	61 2 8834 2400	E-mail Address	iwws@iwws.net
Web	www.iwws.net		

2. Hazards Identification

Hazardous Classification

This product is not hazardous according to the criteria of the ASCC, is not a DG Substance according to the ADG Code, is not a Scheduled Poison according to the SUSMP, is not a flammable or combustible liquid according to AS 1940.

Risk Phrases

Xn - Harmful; R40 - Limited evidence of a carcinogenic effect.

Safety Phrases

No known safety phrases associated with this product

3. Composition Information on Ingredients

This product is not considered to be hazardous and does not contain hazardous components according to the *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(2004)] 3rd Edition.

Chemical name	CAS Number	Proportion
Molybdenum Trioxide	1313-27-5	15-20%
Molybdic acid, disodium salt	7631-95-0	80-85%

Balance of low hazard ingredients present in concentrations less than 1%

For further information on ingredients see section 16.

4. First Aid Measures

4.1 Symptoms of Over-Exposure by Route

- Ingested** Though not a likely route of occupational exposure, ingestion of this product, especially in large quantities, may cause nausea, vomiting and gastric distress.
- Eyes** Contact with dried-out particulates of this product may be slightly irritating to eyes.
- Skin** Contact of this product may be irritating to the skin. Due to the presence of Molybdenum compounds, the main component of this product, repeated or prolonged exposures to this product may cause allergic skin reaction. Symptoms may include reddening and inflammation of the skin.
- Inhaled** Inhalation is not anticipated to be a significant route of over-exposure to this product. In the event that inhalation of dried out particulates of this product occurs, the main health effect will be irritation of the nose, resulting in sneezing and nasal congestion.

4.2 First Aid Instructions

- Ingested** If this product is swallowed, CALL PHYSICIAN. Take copy of label and SDS to physician or other health professional with contaminated individual.
- Eyes** If this product enters the eyes, open victim's eyes while under gently running water. Use sufficient force to open eyelids. Have victim "roll" eyes. Minimum flushing is for 15 minutes.
- Skin** If this product contaminates the skin, begin flushing with soap and water. Remove exposed or contaminated clothing, taking care not to contaminate eyes. Contaminated individual must seek medical attention if redness or irritation continues after area has been rinsed.
- Inhaled** If particulates of dried-out material of this product are inhaled, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Remove or cover gross contamination to avoid exposure to rescuers.
- First Aid Facilities** Provide normal industrial first aid facilities including eyewash stations and deluge showers, where appropriate, close to the area where product is in use.

Notes to Physician (for symptoms of over-exposure to this product see above)

The most significant hazard associated with this product would be the potential for slight irritation of contaminated skin and eyes. Inhalation of dried-out particulates may also cause irritation of the nose.

Possible symptoms of Chronic Health Effects

Molybdenum compounds, the main component of this product, may cause allergic skin reaction after repeated or prolonged exposures.

Possible aggravated pre-existing conditions

None known

Suggested treatment for acute symptoms, known antidotes

Provide supportive care and treatment based on the patient's reactions to the exposure. Contaminated individual must be taken for medical attention if adverse effects occur. Take copy of label and MSDS to physician or other health professional with contaminated individual.

For further information contact the:

POISONS INFORMATION CENTRE 13 11 26

5. Fire Fighting Measures

5.1 Flammability and Explosion Hazards Product is not-flammable.

5.2 Suitable Extinguishing Media

Water Spray: YES

Carbon Dioxide: YES

Foam: YES

Dry Chemical: YES

Halon: YES

Hazchem Code: n.all.

5.3 UNUSUAL FIRE AND EXPLOSION HAZARDS: This material must be substantially pre-heated before ignition occurs. When involved in a fire, this material may decompose and produce toxic gases.

5.4 Precautions for Fire Fighters and Special Equipment

Incipient fire responders should wear eye protection. Structural fire fighters must wear Self-Contained Breathing Apparatus and full protective equipment. If possible, prevent run-off water from entering storm drains, bodies of water, or other environmentally sensitive areas.

6. Accidental Release Measures

Emergency Procedures – Spills and Leaks (See Section 13 for disposal considerations)

In case of a spill, clear the affected area, protect people, and respond with trained personnel.

Minimum Personal Protective Equipment should be gloves per AS/NZS 2161 Set: 2008 and goggles per AS/NZS 1337 part 1- 6, as well as appropriate body protection.

Level B: which includes the use of Self-Contained Breathing Apparatus, should be worn when oxygen levels are below 19.5% or are unknown.

Pick-up material carefully and rinse area with soap and water. Place all spill residues in a suitable container and seal. Dispose of in accordance with Federal, State and local hazardous waste disposal regulations (see Section 13, Disposal Considerations).

7. Handling and Storage

7.1 Handling Advice

Avoid breathing particulates generated by dried out material of this product. Packages of this product must be properly labelled. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2 Storage Advice

Store packages in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Store away from incompatible materials (see Section 10, Stability and Reactivity). Inspect all incoming packages before storage, to ensure they are properly labelled and not damaged.

8. Exposure Controls/ Personal Protection

8.1 Ventilation and Engineering Controls

Prudent practice is to ensure eyewash/safety shower stations are available near where this product is used.

8.2 Personal Protective Equipment

Respiratory	Not usually required. Use supplied air respiratory protection if oxygen levels are below 19.5% or during emergency response to a release of this product. If respiratory protection is required, follow the requirements of the AS/NZS 1716:2012.
Gloves	Wear neoprene gloves for routine industrial use as per AS/NZS 2161 Set: 2008
Eye Protection	Safety glasses as per AS/NZS 1337.
Clothing	Wear normal welding protective clothing and equipment.
Industrial hygiene	When using, do not eat, drink or smoke.

9. Physical and Chemical Properties

Physical state :	Solid stick.	Solubility in water :	Slightly soluble
Colour :	Pink	Explosion limits - upper [%] :	Not applicable.
Odour :	Odourless.	Explosion limits - lower [%] :	Not applicable.
pH value :	Not applicable	Flash point [°C] :	Not applicable
Density [kg/m3] :	Not applicable		

Other Properties None relevant to product.

10. Stability and Reactivity

Stability: Stable.

Decomposition Products: Carbon dioxide, carbon monoxide,

Materials with which substance is incompatible: This product is not compatible with strong oxidizers and strong alkalis.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Avoid uncontrolled exposure to extreme temperatures and incompatible chemicals.

11. Toxicological Information

According to information sourced from HSIS Molybdenum trioxide is a Carcinogen category 3 - Substances suspected of having carcinogenic potential. No further data available.

12. Ecological Considerations

Currently, there are no adverse environmental effects that have been reported for this product. Avoid release to the environment.

13. Disposal Considerations

Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product if unaltered by use may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

14. Transport Information

No DG regulatory requirements apply to the transport of this product.

15. Regulatory Information

Labeling requirements under the *ADG Code*, the *SUSMP* or the "*National Code of Practice for the Labeling of Workplace Substance*" [ASCC: 2012 (1994)] do not apply to this product as sold.

16. Other Information

LABELING (Precautionary Statements):

CAUTION! MAY BE HARMFUL IF INGESTED. CONTACT WITH SKIN MAY CAUSE IRRITATION. Do not taste or swallow. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Wear gloves and safety goggles when using this product. **FIRST-AID:** In case of contact, immediately flush skin or eyes with large amounts of water. If inhaled, move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. **IN CASE OF FIRE:** Use fog, foam, dry chemical or CO₂. **IN CASE OF SPILL:** Pick-up material and rinse area with soap and water. Refer to SDS for additional information.

16. Other Information Continued

Disclaimer

No representative of IWWS any other person has the authority to alter or amend this SDS or the information contained therein without the prior approval of IWWS management. Any alterations render this document invalid. The information presented in this SDS is believed by Independent Wholesale Welding Supply to be accurate at the date shown and in accordance with information available to the Company. Information relating to non-hazardous component can be obtained from the manufacturer : Tempil Inc. 2901 Hamilton Boulevard, South Plainfield, NJ 07080. 908/757/8300. The circumstances and methods of using, handling, transporting or storing the material are beyond our control and persons using, handling, transporting or storing the product do so at their own risk. Independent Wholesale Welding Supply accept no liability for damage or injury arising from the use of the information contained herein.

Original Date

New SDS (Version 1.0) to comply with Model Code of Practice for the

of Issue: 06/10/2015

Preparation of Safety Data Sheets December 2011

Data Sources used in the preparation of this MSDS may include: *Information supplied by manufacturer: LA-Co Industries Inc. 1201 Pratt Blvd. Elk Grove Village, IL 60007. 1847 956 7600, Safework Australia Hazardous Substances Information System - <http://www.hsis.safeworkaustralia.gov.au>*

Abbreviations used: n.d = not determined, n.a = not applicable, n.all =not allocated, SWA=Safe Work Australia, HSIS=Hazardous Substance Information System, SUSMP=Standard for the Uniform Scheduling of Medicines and Poisons, ADG=Australian Dangerous Goods Code, IATA =International Air Transport Association, (Dangerous Goods Regulations), IMDG=International Maritime Dangerous Goods (Code), ASCC=Australian Safety and Compensation Council. IARC=International Agency (for) Research (of) Cancer.

End of Safety Data Sheet.