



MATERIAL SAFETY DATA SHEET

1. Identification of Material and Supplier

Product Name	Anti-Heat	Part Numbers	TAH-B, TAH-Q, TAH
Other Names	None allocated		
Recommended Use	To provide temporary heat sink during welding		
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 hazardous according to the criteria of the ASCC, is not a DG Substance. The product is exempt the requirements of the SUSDP, is not a flammable and combustible liquid according to AS 1940 and all components are listed on the AICS.

Crystalline Silica is a Category 1 Carcinogen according to the IARC.

Risk Phrases R 48 Harmful: Danger of serious damage to health by prolonged exposure through inhalation.

Safety Phrases S 22 Do not breathe dust. S 24/25 Avoid contact with skin and eyes.

3. Composition Information on Ingredients

Chemical name	CAS Number	Proportion
Crystalline Silica	14808-60-7	0 - 2 %
Calcium Silicate	1344-95-2	1 - 5 %
Ingredients determined to be non-hazardous	n.a.	to 100 %

4. First Aid Measures

4.1 Symptoms of Exposure by Route

Ingested	Small amounts ingested incidental to normal handling will have little or no effect. Larger amounts willfully ingested may irritate the gastrointestinal tract and cause temporary blockage.
Eyes	Will irritate the eye through a mechanical abrasion effect.
Skin	May cause mild irritation. Prolonged exposures may tend to dry the skin causing cracking.
Inhaled	Dust and vapour will irritate the upper respiratory tract. Prolonged inhalation of dusts will lead to pulmonary disorders. (Crystalline silica (only available as dusts after product is dried out) is a carcinogen Category 1)

4.2 First Aid Instructions

Ingested	Do not induce vomiting unless following medical directions. Rinse mouth out with water. Give two 250ml glasses of water to drink. If symptoms persist seek prompt medical assistance.
Eyes	Hold eyelids open and flush eyes with clean water for 15 minutes. Hold eyelids open and away from eye to ensure that the inside of the lids are carefully flushed clean. If symptoms persist or corneal damage is present seek prompt medical advice.
Skin	Remove contaminated clothing (under deluge shower if necessary). Wash affected area for 10 minutes with soap and water. Do not rub hard. Rinse well for a further 5 minutes and pat dry. If symptoms persist seek prompt medical advice.
Inhaled	Remove patient to fresh air. Loosen tight clothing and allow to rest. Treat for shock if required. Rinse mouth and nose with water. Provide artificial respiration if breathing stops. Unless recovery is prompt seek urgent medical advice.
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)

Possible symptoms of Chronic Health Effects

Crystalline Silica, present at up to 2%, may cause cancer of the lung after prolonged inhalation exposure.

Possible aggravated pre-existing conditions

Persons suffering pre-existing bronchial disorders should exercise particular care not to inhale any dusts.

Suggested treatment for acute symptoms, known antidotes

Provide supportive care and treatment based on the patient's reactions to the exposure. For further information contact the:

POISONS INFORMATION CENTRE 13 11 26

5. Fire Fighting Measures

5.1 Flammability and Explosion Hazards

Non-combustible

5.2 Hazardous Combustion Products

Non-combustible. Properties of product may be changed after exposure to intense heat.

5.3 Suitable Extinguishing Media

Select to suit surrounding fires.

Hazchem Code: n.all.

5.4 Precautions for Fire Fighters and Special Equipment

Wear SCBA and full turn out uniform.

6. Accidental Release Measures

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

Prevent product entering drains or waterways. Wear full protective clothing including dust mask or respirator. Without creating dust clouds sweep or shovel up into plastic containers. Fit lids, label and place in a safe area to await disposal or recovery. Thoroughly ventilate the area before continuing normal work.

7. Handling and Storage

7.1 Handling Advice

Wear suitable protective clothing.

7.2 Storage Advice

Store in a cool, dry and well-ventilated area. Product must be kept dry.

8. Exposure Controls/ Personal Protection

8.1 Exposure Standards

An Exposure Standard for Crystalline Silica has been set by the ASCC:

<i>Substance</i>	<i>TWA</i>	<i>STEL</i>
Crystalline Silica	0.01 mg/m ³	n.est.
Calcium Silicate (Dusts)	10 mg/m ³	n.est.

8.2 Engineering Control Methods

Provide local exhaust dust extractors and ventilators capable of maintaining the workplace below the exposure limits.

8.3 Personal Protective Equipment

Respiratory Protection

Wear good quality dust mask. If dust concentrations are high use respirator to AS 1716 fitted with a particulate filter.

Eye Protection

Wear safety glasses with side pieces or full face shield to AS 1337 . When welding use welders helmet with dark lenses.

Gloves

Wear rubber or PVA gloves to AS 2161. When welding use thermally protective gauntlets to AS 2161.4

Clothing

Wear Tyvec or cotton coveralls fastened at the neck and wrists. Supplement with welder's apron as appropriate

9. Physical and Chemical Properties

Appearance	Brown water-based clay Dark Grey	Odour	Irritating odour
Melting Point	n.a	Boiling Point	n.d.
Specific Gravity	1.0	Flammability Limits	n.a.
Vapour Pressure	n.d.	Vapour Density	n.d.

Other Properties

Crystalline Silica is a Category 1 Confirmed Human Carcinogen. Incompatible with hydrofluoric acid.

10. Stability and Reactivity

During normal handling and use the product is stable.

11. Toxicological Information

None relevant to product found. Regard as carcinogenic after long term exposure to dusts.

12. Ecological Considerations

Unless released in very large amounts will not pose an environmental threat. If large amount is released it will not biodegrade and if in drains will cause temporary blockages.

13. Disposal Considerations

Must be disposed of in accordance with local regulations for hazardous wastes.

14. Transport Information

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

15. Regulatory Information

Label in accordance with the "National Code of Practice for the Labeling of Workplace Substance" [ASCC: 2012 (1994)] with the word HAZARDOUS and the Risk and Safety Phrases shown on page 1 of this MSDS. Other labeling requirements under the ADG Code and the SUSDP do not apply to this product.

16. Other Information

Disclaimer

No representative of IWWS any other person has the authority to alter or amend this MSDS or the information contained therein without the prior approval of IWWS management. Any alterations render this document invalid. The information presented in this MSDS is believed by Independent Wholesale Welding Supply to be accurate at the date shown and in accordance with information available to the Company. 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.

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New MSDS (Version 1.) to comply with National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition NOHSC: 2011 (2003).

Data Sources used: in the preparation of this MSDS include: "Chempendium" and "MSDS plus Cheminfo" published in CD format by CCOHS Canada 2005 - 4. "TOMES" a CD database published by Micromedex, USA, "Hazardous Properties of Industrial Materials" Van Nostrand Rheinhold NY, USA . "List of Designated Hazardous Substances" NOHSC 10005:1999, "National Exposure Standards" NOHSC 1003:1995 .

Abbreviations used: n.d = not determined, n.a = not applicable, n.all =not allocated, SUSDP=Standard for the Uniform Scheduling of Drugs 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.