# **Thermit® Luting Sand**

# **Thermit Australia**

Chemwatch Hazard Alert Code: 1

Chemwatch: 42023 Version No: 8.1

Safety Data Sheet according to WHS Regulations (Hazardous Chemicals) Amendment 2020 and ADG requirements

Issue Date: 17/02/2022 Print Date: 12/04/2023 L.GHS.AUS/NZ.EN.E

Safety Data Sheet according to the Health and Safety at Work (Hazardous Substances) Regulations 2017

## SECTION 1 Identification of the substance / mixture and of the company / undertaking

Product Identifier	
Product name	Thermit® Luting Sand
Chemical Name	Not Applicable
Synonyms	Thermit® welding moulding sand
Chemical formula	Not Applicable
Other means of identification	Not Available

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

Relevant identified uses Moulding sand used during Thermit® welding process.

## Details of the manufacturer or supplier of the safety data sheet

Registered company name	Thermit Australia	Thermit New Zealand
Address	170 Somersby Falls Road Somersby NSW 2250 Australia	25-27 Kelvin Grove Road, Unit 4 via Service Lane Kelvin Grove, Palmerston North 4414 New Zealand
Telephone	+61 2 4340 4988	+64 21 596 164
Fax	+61 2 4340 4004	Not Available
Website	www.thermit.com.au	http://www.goldschmidt.com/
Email	ta@goldschmidt.com	Robert.Lowe@goldschmidt.com

# Emergency telephone number

Association / Organisation	Not Available
Emergency telephone numbers	Not Available
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 WHS Regulations and the ADG Code.

Poisons Schedule	Not Applicable
Classification <sup>[1]</sup>	Not Applicable
Legend:	1. Classified by Chernwatch; 2. Classification drawn from HCIS; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI

#### Label elements

Hazard pictogram(s)

Not Applicable

Signal word Not Applicable

#### Hazard statement(s)

Not Applicable

Precautionary statement(s) Prevention

Not Applicable

Precautionary statement(s) Response Not Applicable

## Precautionary statement(s) Storage

Not Applicable

# Precautionary statement(s) Disposal

Not Applicable

Not considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation.

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# Not regulated for transport of Dangerous Goods.

Classification <sup>[1]</sup>	Not Applicable
Determined by Chemwatch using GHS/HSNO criteria	Not Available
Label elements	
Hazard pictogram(s)	Not Applicable

Signal word Not Applicable

#### Hazard statement(s)

Not Applicable

# 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

See section below for composition of Mixtures

# Mixtures

CAS No	%[weight]	Name
Not Available	>60	foundry sand, as
14808-60-7.		graded sand
1302-78-9	10-30	bentonite
Legend:	<ol> <li>Classified by Chemwatch; 2. Classification drawn from CCID EPA NZ; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI;</li> <li>Classification drawn from C&amp;L * EU IOELVs available</li> </ol>	

# **SECTION 4 First aid measures**

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Description of first aid measures	
Eye Contact	<ul> <li>If this product comes in contact with the eyes:</li> <li>Wash out immediately with fresh running water.</li> <li>Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.</li> <li>Seek medical attention without delay; if pain persists or recurs seek medical attention.</li> <li>Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</li> </ul>
Skin Contact	If skin or hair contact occurs: ▶ Flush skin and hair with running water (and soap if available). ▶ Seek medical attention in event of irritation.
Inhalation	<ul> <li>If dust is inhaled, remove from contaminated area.</li> <li>Encourage patient to blow nose to ensure clear passage of breathing.</li> <li>If irritation or discomfort persists seek medical attention.</li> </ul>
Ingestion	<ul> <li>Immediately give a glass of water.</li> <li>First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.</li> </ul>

# Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

# **SECTION 5 Firefighting measures**

#### Extinguishing media

- There is no restriction on the type of extinguisher which may be used.
- Use extinguishing media suitable for surrounding area.

#### Special hazards arising from the substrate or mixture

Special nazarus ansing nom the substrate of mixture	
Fire Incompatibility	None known

## Advice for firefighters

Fire	Fia	htir	۱a

Alert Fire Brigade and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves. Page 3 of 8
Thermit® Luting Sand

	Prevent, by any means available, spillage from entering drains or water courses. Use fire fighting procedures suitable for surrounding area.
Fire/Explosion Hazard	<ul> <li>Non combustible.</li> <li>Not considered a significant fire risk, however containers may burn.</li> </ul>

# **SECTION 6 Accidental release measures**

Personal precautions, protective equipment and emergency procedures

See section 8

**Environmental precautions** 

See section 12

## Methods and material for containment and cleaning up

Minor Spills	Clean up all spills immediately. Use dry clean up procedures and avoid generating dust. If exposure to workplace dust is not controlled, respiratory protection is required; wear SAA approved dust respirator. Vacuum up or sweep up. Place in suitable containers for disposal.
Major Spills	<ul> <li>Minor hazard</li> <li>Clear area of personnel and move upwind.</li> <li>If inhalation risk of exposure exists, wear SAA approved dust respirator.</li> <li>Collect recoverable product into labelled containers for recycling.</li> </ul>

Personal Protective Equipment advice is contained in Section 8 of the SDS.

# **SECTION 7 Handling and storage**

# Precautions for safe handling

Safe handling	<ul> <li>Avoid generating and breathing dust</li> <li>Avoid contact with skin and eyes.</li> <li>Wear nominated personal protective equipment when handling.</li> <li>Use in a well-ventilated area.</li> <li>Use good occupational work practices.</li> <li>Observe manufacturer's storage and handling recommendations contained within this SDS.</li> </ul>
Other information	<ul> <li>Keep dry.</li> <li>Store under cover.</li> <li>Protect containers against physical damage.</li> <li>Observe manufacturer's storage and handling recommendations contained within this SDS.</li> </ul>

# Conditions for safe storage, including any incompatibilities

Suitable container	Multi-ply woven plastic or paper bag with sealed plastic liner NOTE: Bags should be stacked, blocked, interlocked, and limited in height so that they are stable and secure against sliding or collapse.
Storage incompatibility	None known

# **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	graded sand	Silica - Crystalline: Quartz (respirable dust)	0.05 mg/m3	Not Available	Not Available	Not Available
New Zealand Workplace Exposure Standards (WES)	graded sand	Silica-Crystalline (all forms) respirable dust	0.05 mg/m3	Not Available	Not Available	carcinogen category 1 - Known or presumed human carcinogen; $\alpha$ -quartz and cristobalite are confirmed carcinogens
New Zealand Workplace Exposure Standards (WES)	bentonite	Respirable dust (not otherwise classified)	3 mg/m3	Not Available	Not Available	Not Available
New Zealand Workplace Exposure Standards (WES)	bentonite	Inhalable dust (not otherwise classified)	10 mg/m3	Not Available	Not Available	Not Available

# Emergency Limits

Ingredient	TEEL-1	TEEL-2		TEEL-3
graded sand	0.075 mg/m3	33 mg/m3		200 mg/m3
Ingredient	Original IDLH	Re	evised ID	LH
graded sand	25 mg/m3 / 50 mg/m3	No	ot Availabl	e
bentonite	Not Available	No	ot Availabl	e

## MATERIAL DATA

None assigned. Refer to individual constituents.

## Exposure controls

Appropriate engineering controls	General exhaust is adequate under normal operating conditions.
Individual protection measures, such as personal protective equipment	
Eye and face protection	<ul> <li>Safety glasses with side shields; or as required,</li> <li>Chemical goggles.</li> <li>Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59], [AS/NZS 1336 or national equivalent]</li> </ul>
Skin protection	See Hand protection below
Hands/feet protection	<ul> <li>Wear physical protective gloves, e.g. leather.</li> <li>Wear safety footwear.</li> </ul>
Body protection	See Other protection below
Other protection	<ul> <li>Overalls.</li> <li>Eyewash unit.</li> </ul>

#### **Respiratory protection**

Type -P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

Required Minimum Protection Factor	Half-Face Respirator	Full-Face Respirator	Powered Air Respirator
up to 10 x ES	P1 Air-line*	-	PAPR-P1 -
up to 50 x ES	Air-line**	P2	PAPR-P2
up to 100 x ES	-	P3	-
		Air-line*	-
100+ x ES	-	Air-line**	PAPR-P3

\* - Negative pressure demand \*\* - Continuous flow A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO2), G = Agricultural chemicals, K = Ammonia(NH3), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds(below 65 degC)

# **SECTION 9** Physical and chemical properties

## Information on basic physical and chemical properties

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

# **SECTION 10 Stability and reactivity**

Reactivity	See section 7
Chemical stability	Product is considered stable and hazardous polymerisation will not occur.

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Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

# **SECTION 11 Toxicological information**

# Information on toxicological effects

Inhaled	Generated dust may be discomforting			
Ingestion	Not normally a hazard due to the physical form of product. The material i	s a physical irritant to the gastro-intestinal tract		
Skin Contact	Limited evidence exists, or practical experience predicts, that the material either produces inflammation of the skin in a substantial number of individuals following direct contact, and/or produces significant inflammation when applied to the healthy intact skin of animals, for up to four hours, such inflammation being present twenty-four hours or more after the end of the exposure period. Skin irritation may also be present after prolonged or repeated exposure; this may result in a form of contact dermatitis (nonallergic). The dermatitis is often characterised by skin redness (erythema) and swelling (oedema) which may progress to blistering (vesiculation), scaling and thickening of the epidermis. At the microscopic level there may be intercellular oedema of the spongy layer of the skin (spongiosis) and intracellular oedema of the epidermis.			
Eye	The material may be irritating to the eye, with prolonged contact causing inflammation. Repeated or prolonged exposure to irritants may produconjunctivitis.         As graded sand is sensibly free of fine silica, the risk of overexposure by inhalation of respirable fractions of silica is negligible.         Long term exposure to high dust concentrations may cause changes in lung function (i.e. pneumoconiosis) caused by particles less than 0.5 micron penetrating and remaining in the lung. A prime symptom is breathlessness. Lung shadows show on X-ray.         TOXICITY       IRRITATION         Not Available       Not Available			
Chronic				
Thermit <sup>®</sup> Luting Sand				

	Not Available	Not Available	
graded sand	TOXICITY	IRRITATION	
	Oral (Rat) LD50: 500 mg/kg <sup>[2]</sup>	Not Available	
bentonite	TOXICITY	IRRITATION	
bentomte	Oral (Cat) LD50; >1.25 mg/kg <sup>[2]</sup>	Not Available	
Legend:	1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2. Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances		

Astima-like symptoms may continue for months or even years after exposure to the material ends. This may be due to a non-allergic condition known as reactive airways dyduncion cRADS) which can occur after exposure to thigh levels of highly initiating compound. Aim criteria for diagnosing RADS include the absence of previous airways disease in a non-atopic individual, with sudden onset of persistent astima-like symptoms within minutes to bours of a documented exposure to the intratant. Other criteria for diagnosis of RADS include a reversible airflow pattern on lung function tests, moderate to severe bronchial hyperreactivity on methacholine challenge testing, and the lack of minimal lymphocytic inflammation, without eosinophills. RADS (or astima) following an inflating inhalation is an infrequent disorder with rates related to the concentration of and duration of exposure to the intrat. On the other hand, industrial bronchilts is a disorder that occurs as a result of exposure due to high levels of the concentration of and duration of exposure to the internat. To he other hand, industrial bronchilts is a disorder that occurs as a result of exposure due to high levels of the concentration of an duration of exposure to the internat. To the other hand, industrial bronchilts is a disorder that occurs as a result of exposure due to high levels of the concentration of an anomatopy concell. Allows and the lack of minimal guitation of vitreous volcanic ashes that were deposited in water. The expected acute oral toxicity of benchnic humans is very low (LDSO-15 g/kg). However, severe anterior segment inflammation, uveits and retrocomal abscess from eye exposure de when benchine had been used as a prophypate. In a 33 day dietary (2 and 6%) and a 90 day dietary (1, 3 and 5%) studies in chickens, no changes in behaviour, overall state, clinical and biochemical parameters and electrolytic composition of the biocod. Repeat dietary administration of bentoholic day dust affect particular was thore			•	· · · · · · · · · · · · · · · · · · ·	
Acute Toxicity     X       Skin Irritation/Corrosion     X       Serious Eye Damage/Irritation     X       Respiratory or Skin sensitisation     X       Stription     X	BENTONITE	known as reactive airways dysfunction syndrome (RA criteria for diagnosing RADS include the absence of p asthma-like symptoms within minutes to hours of a dd airflow pattern on lung function tests, moderate to sew lymphocytic inflammation, without eosinophilia. RADS the concentration of and duration of exposure to the ir result of exposure due to high concentrations of irritati disorder is characterized by difficulty breathing, cough for bentonite clays: Bentonite (CAS No. 1302-78-9) consists of a group of The expected acute oral toxicity of bentonite in humar retrocorneal abscess from eye exposure were reporte In a 33 day dietary (2 and 6%) and a 90 day dietary (1 biochemical parameters and electrolytic composition denosholism. However, larger amounts caused decreal phosphorus metabolism. Bentonite did not cause fibrosis after 1 year exposure were intratracheally instilled at 5, 15 and 45 mg/rat, db bronchial asthma in workers at a processing plant in L	DS) which can occur after exposure to revious airways disease in a non-atop iccumented exposure to the irritant. Other ere bronchial hyperreactivity on meth (or asthma) following an irritating inhi- ritating substance. On the other hand ing substance (often particles) and is and mucus production. clays formed by crystallisation of vitre is is very low (LD50>15 g/kg). Howev d when bentonite had been used as a d, 3 and 5%) studies in chickens, no c of the blood. Repeat dietary administra- sed growth, muscle weakness, and do of 60 mg dust (<5 um) in a rat study. ose-related fibrosis was observed. Be JSA. esult in intestinal obstruction in human	o high levels of highly irritating compound. Main bic individual, with sudden onset of persistent her criteria for diagnosis of RADS include a reversible acholine challenge testing, and the lack of minimal alation is an infrequent disorder with rates related to , industrial bronchitis is a disorder that occurs as a completely reversible after exposure ceases. The eous volcanic ashes that were deposited in water. ter, severe anterior segment inflammation, uveitis and a prophypaste. hanges in behaviour, overall state, clinical and ation of bentonite did not affect calcium or phosphorus eath with marked changes in both calcium and However, in a second rat study, where 5 um particles ntonite clay dust is believed to be responsible for IIS.	
Skin Irritation/Corrosion     X       Serious Eye Damage/Irritation     X       Respiratory or Skin sensitisation     X       Stropped to the sensitisation     X	<b>GRADED SAND &amp; BENTONITE</b>	No significant acute toxicological data identified in lite	rature search.		
Skin Irritation/Corrosion     X       Serious Eye Damage/Irritation     X       Respiratory or Skin sensitisation     X       Strop - Repeated Exposure     X		-			
Serious Eye Damage/Irritation     X     STOT - Single Exposure       Respiratory or Skin sensitisation     X     STOT - Repeated Exposure	Acute Toxicity	×	Carcinogenicity	×	
Respiratory or Skin sensitisation     X     STOT - Repeated Exposure	Skin Irritation/Corrosion	×	Reproductivity	×	
sensitisation	Serious Eye Damage/Irritation	X     STOT - Single Exposure			
Mutagenicity X Aspiration Hazard X		×	STOT - Repeated Exposure	×	
	Mutagenicity	×	Aspiration Hazard	×	

Legend: 🗙 –

➤ - Data either not available or does not fill the criteria for classification ▼ - Data available to make classification

#### Toxicity

	Endpoint	Test Duration (hr)	Species	Value	Source
Thermit® Luting Sand	Not Available	Not Available	Not Available	Not Available	Not Available
graded sand	Endpoint	Test Duration (hr)	Species	Value	Source
	Not Available	Not Available	Not Available	Not Available	Not Available
	Endpoint	Test Duration (hr)	Species	Value	Source
bentonite	LC50	96h	Fish	19000mg/l	4
Legend:	Ecotox databa	tracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 4. US otox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. MET inconcentration Data 8. Vendor Data			

#### DO NOT discharge into sewer or waterways.

Persistence and degradability		
Ingredient	Persistence: Water/Soil Persistence: Air	
	No Data available for all ingredients	No Data available for all ingredients
Bioaccumulative potential		
Ingredient	Bioaccumulation	
	No Data available for all ingredients	
Mobility in soil		
Ingredient	Mobility	
	No Data available for all ingredients	

## **SECTION 13 Disposal considerations**

# Waste treatment methods Product / Packaging disposal • Recycle wherever possible or consult manufacturer for recycling options. • Consult State Land Waste Management Authority for disposal. • Bury residue in an authorised landfill. • Bury residue in an authorised landfill.

Ensure that the hazardous substance is disposed in accordance with the Hazardous Substances (Disposal) Notice 2017

#### **Disposal Requirements**

Not applicable as substance/ material is non hazardous.

# **SECTION 14 Transport information**

Labels Required		
Marine Pollutant	NO	
HAZCHEM	Not Applicable	

Land transport (ADG): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Land transport (UN): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Transport in bulk according to Annex II of MARPOL and the IBC code Not Applicable

Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

Product name	Group
graded sand	Not Available
bentonite	Not Available

# Transport in bulk in accordance with the IGC Code

Product name	Ship Type
graded sand	Not Available
bentonite	Not Available

# **SECTION 15 Regulatory information**

## Safety, health and environmental regulations / legislation specific for the substance or mixture

This substance is to be managed using the conditions specified in an applicable Group Standard

HSR Number	Group Standard	
Not Applicable	Not Applicable	

Please refer to Section 8 of the SDS for any applicable tolerable exposure limit or Section 12 for environmental exposure limit.

graded sand is found on the following regulatory lists	
Australia Model Work Health and Safety Regulations - Hazardous chemicals (other	New Zealand Approved Hazardous Substances with controls
than lead) requiring health monitoring	New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification
Australian Inventory of Industrial Chemicals (AIIC)	of Chemicals
Chemical Footprint Project - Chemicals of High Concern List	New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification
International Agency for Research on Cancer (IARC) - Agents Classified by the IARC	of Chemicals - Classification Data
Monographs	New Zealand Inventory of Chemicals (NZIoC)
International Agency for Research on Cancer (IARC) - Agents Classified by the IARC	New Zealand Workplace Exposure Standards (WES)
Monographs - Group 1: Carcinogenic to humans	
bentonite is found on the following regulatory lists	

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Australian Inventory of Industrial Chemicals (AIIC) International WHO List of Proposed Occupational Exposure Limit (OEL) Values for Manufactured Nanomaterials (MNMS)

# New Zealand Inventory of Chemicals (NZIoC) New Zealand Workplace Exposure Standards (WES)

#### **Hazardous Substance Location**

Subject to the Health and Safety at Work (Hazardous Substances) Regulations 2017.

Hazard Class	Quantities	
Not Applicable	Not Applicable	

#### **Certified Handler**

Subject to Part 4 of the Health and Safety at Work (Hazardous Substances) Regulations 2017.

Class of substance	Quantities
Not Applicable	Not Applicable

Refer Group Standards for further information

#### Maximum quantities of certain hazardous substances permitted on passenger service vehicles

Subject to Regulation 13.14 of the Health and Safety at Work (Hazardous Substances) Regulations 2017.

Hazard Class	Gas (aggregate water capacity in mL)	Liquid (L)	Solid (kg)	Maximum quantity per package for each classification
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

#### **Tracking Requirements**

Not Applicable

# **National Inventory Status**

National Inventory	Status
Australia - AIIC / Australia Non-Industrial Use	Yes
Canada - DSL	Yes
Canada - NDSL	No (graded sand; bentonite)
China - IECSC	Yes
Europe - EINEC / ELINCS / NLP	Yes
Japan - ENCS	No (bentonite)
Korea - KECI	Yes
New Zealand - NZIoC	Yes
Philippines - PICCS	Yes
USA - TSCA	Yes
Taiwan - TCSI	Yes
Mexico - INSQ	Yes
Vietnam - NCI	Yes
Russia - FBEPH	Yes
Legend:	Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will require registration.

## **SECTION 16 Other information**

Revision Date 17/02/2022

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# Thermit<sup>®</sup> Luting Sand

Initial Date 28/03/2003

#### SDS Version Summary

Version	Date of Update	Sections Updated
7.1	01/11/2019	One-off system update. NOTE: This may or may not change the GHS classification
8.1	17/02/2022	Toxicological information - Acute Health (eye), Hazards identification - Classification, Identification of the substance / mixture and of the company / undertaking - Synonyms, Identification of the substance / mixture and of the company / undertaking - Use, Name

## Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chernwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

#### 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 Governmental Industrial Hygienists STEL: Short Term Exposure Limit TEEL: Temporary Emergency Exposure  ${\sf Limit}_{\circ}$ IDLH: Immediately Dangerous to Life or Health Concentrations ES: Exposure Standard OSF: Odour Safety Factor NOAEL :No Observed Adverse Effect Level LOAEL: Lowest Observed Adverse Effect Level TLV: Threshold Limit Value LOD: Limit Of Detection OTV: Odour Threshold Value BCF: BioConcentration Factors **BEI: Biological Exposure Index** AIIC: Australian Inventory of Industrial Chemicals DSL: Domestic Substances List NDSL: Non-Domestic Substances List IECSC: Inventory of Existing Chemical Substance in China EINECS: European INventory of Existing Commercial chemical Substances ELINCS: European List of Notified Chemical Substances NLP: No-Longer Polymers ENCS: Existing and New Chemical Substances Inventory KECI: Korea Existing Chemicals Inventory NZIoC: New Zealand Inventory of Chemicals PICCS: Philippine Inventory of Chemicals and Chemical Substances TSCA: Toxic Substances Control Act TCSI: Taiwan Chemical Substance Inventory INSQ: Inventario Nacional de Sustancias Químicas NCI: National Chemical Inventory FBEPH: Russian Register of Potentially Hazardous Chemical and Biological Substances

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