



A NEW FORCE IN CHEMICAL MANUFACTURING

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SAFETY DATA SHEET

ISSUED SEPTEMBER 2014 (VALID 5 YEARS FROM DATE OF ISSUE)

R47 SILVER ANTI SEIZE

SECTION 1 - IDENTIFICATION OF THE MATERIAL

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PRODUCT NAME Silver Antiseize
PRODUCT TYPE Antiseize Compound for Industrial Use
PART NUMBER CT-R47
AVAILABLE SIZES
35g (CT-R47-35BT)
75g (CT-R47-75BT)
250g (CT-R47-250BT)
500g (CT-R47-500BT)
5kg (CT-R47-5KG)

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

| HAZARDOUS COMPONENTS | CAS # | % | TWA(HSIS) | STEL(HSIS) |
|---|------------|-------|-------------------------------|------------|
| Heavy Highly Refined Paraffinic Mineral Oil | 64742-62-7 | >60 | 0.2mg/m ³ (fume) - | - |
| Aluminium Powder | 7429-90-5 | 10-30 | 10mg/m ³ | - |
| Graphite Powder | 7782-42-5 | 10-30 | 3mg/m ³ | - |
| Calcium Oxide | 1305-78-8 | 10-30 | 2mg/m ³ | - |
| Propylene Glycol | 57-55-6 | 1 - 5 | None | - |

SECTION 3 - HAZARDS IDENTIFICATION

Non-Hazardous Substance. Non-Dangerous Goods

(According to the criteria of the SafeWork Australia and the ADG-6 code)

Relevant routes of exposure: Harmful by inhalation, in contact with skin and if swallowed.
Potential Health Effects
Inhalation: Fumes and/or dusts produced by this product may be hazardous in the case of inhalation.
Skin contact: This product may be hazardous in the case of skin contact (irritant).
Eye contact: This product may be hazardous in the case of eye contact (irritant).
Ingestion: This product may be hazardous in case of ingestion.

SECTION 4 - FIRST AID MEASURES

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| Inhalation: | Remove to fresh air. If symptoms develop and persist, get medical attention. |
| Skin contact: | Wash with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if symptoms occur. |
| Eye contact: | Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention. |
| Ingestion: | DO NOT induce vomiting unless directed to do so by medical personnel. Keep individual calm. Obtain medical attention. |

SECTION 5 - FIRE FIGHTING MEASURES

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| Flash point: | Classified as C2 (combustible liquid) |
| Autoignition temperature: | Not available |
| Flammable/Explosive limits-lower %: | Not available |
| Flammable/Explosive limits-upper %: | Not available |
| Extinguishing media: | Small fire: Use dry chemical powder. Large fire: Use water spray, fog or foam. |
| Special fire fighting procedures: | None |
| Unusual fire or explosion hazards: | None |
| Hazardous combustion products: | Oxides of carbon. Irritating organic vapours. Some metallic oxides |

SECTION 6 - ACCIDENTAL RELEASE MEASURES

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| Environmental precautions: | Prevent product from entering drains or open waters. |
| Clean-up methods: | Small Spill (<20L) - Soak up with inert oil absorbent. Store in a partly filled, closed container until disposal. Large Spill (>20L) Remove all sources or ignition. Increase ventilation. Evacuate unnecessary personnel. Wear protective equipment and clothing to minimise exposure. Contain the spill. Soak up with inert oil absorbent. Store in a partly filled, closed container until disposal. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority |

SECTION 7 - HANDLING AND STORAGE

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| Handling: | Avoid contact with eyes, skin and clothing. When using, do not eat, drink or smoke. Avoid breathing vapour and mist. Wash thoroughly after handling, prior to eating, drinking, or going to the toilet. Ensure sufficient ventilation of the area. |
| Storage: | Keep in a cool, well ventilated area, out of direct sunlight Keep container tightly closed until ready for use. |
| Incompatible products: | Refer to Section 10. |

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

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| Engineering controls: | Ensure there is sufficient ventilation of the area whenever this product is used in a confined space, or is heated above ambient temperatures. Forced ventilation may still be required if concentrations exceed occupational exposure limits. |
| Respiratory protection: | Select and use a respirator in accordance with AS/NZS 1715/1716 if there is potential to exceed exposure limit(s). |
| Skin protection: | Use impermeable gloves and protective clothing as necessary to prevent skin contact. Neoprene gloves. butyl rubber gloves. Natural rubber gloves. |
| Eye/face protection: | Safety goggles or safety glasses are recommended. A face shield should be worn if the material is handled hot. |
| See Section 2 for exposure limits. | |

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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| Physical state: | Thick paste |
| Colour: | Dark Grey |
| Odour: | Negligible |
| pH: | Not applicable |
| Melting point/range: | Not applicable |
| Boiling point/range: | Not applicable |
| Vapour density: | Not available |
| Evaporation rate: | Not available |
| Solubility in water: | Negligible |

SECTION 10 - STABILITY AND REACTIVITY

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| Stability: | Stable under normal conditions of storage and handling. |
| Hazardous polymerization: | Will not occur. |
| Hazardous decomposition products: | Oxides of carbon. Irritating and toxic organic vapours. |
| Incompatibility: | Strong oxidizers. Strong acids. |
| Conditions to avoid: | See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10). Aluminium powder may react with acids, alkalis and water to generate hydrogen, a flammable gas. Aluminium powder may react exothermically with halogenated hydrocarbons, metal nitrates, some metal oxides and sulphates. |

SECTION 11 - TOXICOLOGICAL INFORMATION

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| ACUTE: | May cause irritation to the mouth, oesophagus and stomach. Symptoms may include nausea, |
| Swallowed: | Vomiting and diarrhoea. |
| Eye: | May cause slight to moderate eye irritation, resulting in redness and stinging. |
| Skin: | May dry and defat the skin, resulting in skin irritation and possible dermatitis. Grease accidentally injected under the skin can result in local necrosis and tissue damage. |
| Inhaled: | May cause irritation to the mucous membrane and upper airways, especially if the material is heated or mists are generated and/or is used in poorly ventilated areas. Symptoms may include headache, dizziness and nausea. |

CHRONIC: Prolonged or repeated contact with material may result in skin irritation leading to dermatitis.

SECTION 12 - ECOLOGICAL INFORMATION

Mobility: Spillages are unlikely to penetrate the soil.
Persistence and Biodegradability: This product is inherently biodegradable.
Bioaccumulative Potential: Not applicable.
Other Adverse Effects: Not applicable.

SECTION 13 - DISPOSAL CONSIDERATIONS

Recommended Method of Disposal: Dispose of according to Federal, State and Local governmental regulations.

SECTION 14 - TRANSPORT INFORMATION

Road and Rail Transport: Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.
Marine Transport: Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea
Air Transport: Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

SECTION 15 - REGULATORY INFORMATION

Hazard Symbols: This product does not require warning labels due to Hazards Classification as designated in Section 3
Risk Phrases: R36/37/38: Irritating to eyes, respiratory system, skin
Safety Phrases: S14: Keep away from children
S26 In case of contact with eyes, rinse immediately with plenty of water.
S39: Wear eye/face protection

DISCLAIMER

The information contained within this MSDS applies only to the Chemtools product to which the sheet relates.

The information provided is based on our best knowledge at the time of issue.

The information contained within this MSDS is believed to be accurate and is given in good faith. However, no warranty is made, either expressed or implied, regarding its accuracy or any liability arising out of the use of the information herein or the product supplied.

When used in other preparations, formulations, or in mixtures, it is necessary to ascertain whether the classifications of the hazards have changed. The attention of the user is drawn to the possibility of creating other hazards when the product is used for purposes other than that for which it was recommended. In such cases, a reassessment may be necessary and should be made by the user.

This safety data sheet should only be used and reproduced in order that the necessary measures are taken relating to the protection of health and safety at work.

It is the responsibility of the handlers to pass on the totality of the information contained within this document to any subsequent person(s) who will come in to contact with, handle or use this product in any way.

They should check the adequacy of the information provided within this MSDS before passing it on to their customers/staff.