

Nickel Anti Seize

Material Safety Data Sheet



Chemtools

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: ChemTools R28 Nickel Antiseize
Part Number: CT-R28-75T, -200T, -250BT, -500BT
Product Type: Antiseize Compound for Industrial Use
Company Address: ChemTools Pty. Ltd.,
PO Box 463, Emu Plains, NSW 2750
Ph: 02 4735 3126
EMERGENCY PHONE: Australia: Poisons Information Centre 13 1126
International: Infotrac (708) 918 1900

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) | - |
| Nickel Powder | 7440-02-0 | 10-30 | 1mg/m ³ | - |
| Graphite Powder | 7782-42-5 | 10-30 | 3mg/m ³ | - |
| Ingredients determined to be non-hazardous | - | Remainder | - | - |

3. HAZARDS IDENTIFICATION

Non-Hazardous Substance. Non-Dangerous Goods

(According to the criteria of the NOHSC 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.

4. FIRST AID MEASURES

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.

5. FIRE-FIGHTING MEASURES

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

6. ACCIDENTAL RELEASE MEASURES

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.

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7. HANDLING AND STORAGE

| | |
|-------------------------------|--|
| 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. |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| | |
|---|--|
| 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. | |

9. PHYSICAL AND CHEMICAL PROPERTIES

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|-----------------------------|-----------------|
| Physical state: | Thick paste |
| Colour: | Dark Grey/Black |
| 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 |

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). |

11. TOXICOLOGICAL INFORMATION

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| Toxicology: | |
| ACUTE: | May cause irritation to the mouth, esophagus and stomach. Symptoms may include nausea, Vomiting and diarrhoea. |
| Swallowed: | |
| 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. Skin contact with the metallic nickel powder may result in sensitisation and nickel contact dermatitis ("nickel itch"). Nickel is classified by NOHSC as carcinogenic, group 3. Nickel metal is classified by IARC as a carcinogen, group 2B, possibly carcinogenic to humans. Nickel metal is classified as carcinogenic and neoplastic by RTECS criteria. Nickel is classified by NTP as reasonably anticipated to be carcinogenic to humans. |

12. ECOLOGICAL INFORMATION

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| Mobility: | Spillages are unlikely to penetrate the soil. |
| Persistence and Biodegradability: | This product is inherently biodegradable. |

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Bioaccumulative Potential: Not applicable.
Other Adverse Effects: Not applicable.

13. DISPOSAL CONSIDERATIONS

Recommended method of disposal: Dispose of according to Federal, EPA < State and local government regulations.

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.

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
R40 Limited evidence of a carcinogenic effect.

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

Date of issue: September 2009

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 purpose 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.



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