A NEW FORCE IN CHEMICAL MANUFACTURING

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SAFETY DATA SHEET

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

P29 ANTI SEIZE AEROSOL

SECTION 1 - IDENTIFICATION OF THE MATERIAL

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PRODUCT NAME	Copper Antiseize Aerosol
PRODUCT TYPE	Antiseize Compound for Industrial Use
PART NUMBER	CT-P29
AVAILABLE SIZES	75g (CT-P29-300)

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	CAS #	%	TWA(HSIS)	STEL(HSIS)
Petrolatum	8009-03-8	10-30	N/A	
Copper Powder	7440-50-8	10-30	1mg/m^3 (as mist/dust)	
Graphite Powder	7782-42-5	10-30	3mg/m^3	
Naphtha, Hydrotreated	64742-48-9	>60		

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

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

Emergency Response: (See Section 9 Physical and Chemical Properties for Auto ignition temp and exposure limits.)

Small Fire Use water spray, dry chemical or CO2

Large Fire Use water spray and fog
Fight fire from protected position or use unmanned hose holders or monitor nozzles
If safe to do so, move undamaged containers from fire area. Do not approach hot containers
Cool containers with water before handling
If impossible to extinguish fire, protect surroundings, withdraw from area and allow fire to burn.

SECTION 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

SECTION 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.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:

Name	(Time Weighted Average) TWA Mg/m3 ppm
Propane	ASPHYXIANT
Butane	800ppm
Distillated (petroleum) hydrotreated light	2110 300ppm

Engineering controls:	Ensure there is sufficient ventilation of the area whenever this product is used in a confined space, or is heated above abient 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

Physical state:	**G**rease in aerosol can
Colour:	Dark Grey/Black
Boiling point:	Major constituent >250c
Odour:	Negligible
Specific Gravity:	approximately 0.90 (for liquid concentrate)
Vapour Pressure:	517Kpa @ 24°C (hydrocarbon propellant)
Flash Point:	10°C (hydrocarbon propellant)
Flamm. Limits:	1.5% to 9.6% in air (v/v)(hydrocarbon propellant)
Autoignition temp:	494°C to 600°C (hydrocarbon propellant)
PH:	Not Available
Percent volatiles:	approximately 40%
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

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).

SECTION 11 - TOXICOLOGICAL INFORMATION

ACUTE:	May cause irritation to the mouth, esophagus 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. 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.

SECTION 12 - ECOLOGICAL INFORMATION

Mobility:	Spillages are unlikely to penetrate the soil.
Persistance 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, EPA< State and local government regulations.

SECTION 14 - TRANSPORT INFORMATION

Transportation:	UN 1950 Class 2
Incompatible products:	Flammable gases shall not be loaded in the same vehicle or packed in the same freight container with: -Class 1 explosives -Class 3 flammable liquids (where both flammable liquids and gases are in bulk) -Class 4.1 flammable solids -Class 4.2 spontaneously combustible substances -Class 4.3 dangerous when wet substances -Class 5.1 oxidising agents -Class 5.2 organic peroxides -Class 7 radioactive substances

SECTION 15 - REGULATORY INFORMATION

None Available

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.