



ROCOL NICKEL ANTI-SEIZE COMPOUND

Chemwatch Independent Material Safety Data Sheet

Issue Date: 16-Jun-2006

XC9317SC

CHEMWATCH 26058

Version No:3

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Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME

ROCOL NICKEL ANTI-SEIZE COMPOUND

PRODUCT USE

Anti-seize lubricant.

SUPPLIER

Company: ITW Polymers & Fluids

Address:

100 Hassall St

Wetherill Park NSW 2164

Australia

Telephone: (02) 9757 8800

Emergency Tel: (02) 9757 8800

Fax: (02) 9757 3855

Company: ITW Polymers & Fluids (NZ)

Address:

UNIT 2 / 38 Truegood Drive

East Tamaki, 2013

AUCKLAND

NEW ZEALAND

Telephone: (09) 272 1945

Emergency Tel: (09) 272 1945

Fax: (09) 273 6489

Section 2 - HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE

HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS. According to the Criteria of NOHSC, and the ADG Code.

POISONS SCHEDULE

None

RISK

Risk Codes

R40(3)

R43

R48/23

Risk Phrases

» Limited evidence of a carcinogenic effect.

» May cause SENSITISATION by skin contact.

» Toxic: danger of serious damage to health by prolonged exposure through inhalation.

SAFETY

Safety Codes

S01

S25

S36

S38

S51

S09

S401

S35

S13

S27

S26

S63

Safety Phrases

» Keep locked up.

» Avoid contact with eyes.

» Wear suitable protective clothing.

» In case of insufficient ventilation wear suitable respiratory equipment.

» Use only in well ventilated areas.

» Keep container in a well ventilated place.

» To clean the floor and all objects contaminated by this material use water and detergent.

» This material and its container must be disposed of in a safe way.

» Keep away from food drink and animal feeding stuffs.

» Take off immediately all contaminated clothing.

» In case of contact with eyes rinse with plenty of water and contact Doctor or Poisons Information Centre.

» In case of accident by inhalation: remove casualty to fresh air and keep at rest.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS RN	%
mineral oil (solvent refined)	Not avail.	30-60
nickel additives nonhazardous	7440-02-0	10-20 30-60

NOTE: Manufacturer has supplied full ingredient

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Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

information to allow CHEMWATCH assessment.

Section 4 - FIRST AID MEASURES

SWALLOWED

- If swallowed do NOT induce vomiting.
- If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.

EYE

- » If this product comes in contact with the eyes:
- Wash out immediately with fresh running water.
- 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.

SKIN

- » If skin contact occurs:
 - Immediately remove all contaminated clothing, including footwear.
 - Flush skin and hair with running water (and soap if available).
- If failure/misuse of high pressure/hydraulic equipment results in injection of grease/oil through the skin seek urgent medical attention. Treat as surgical emergency.

INHALED

- If fumes or combustion products are inhaled remove from contaminated area.
- Lay patient down. Keep warm and rested.

NOTES TO PHYSICIAN

- » Treat symptomatically.
- Heavy and persistent skin contamination over many years may lead to dysplastic changes. Pre-existing skin disorders may be aggravated by exposure to this product.
- In general, emesis induction is unnecessary with high viscosity, low volatility products, i.e. most oils and greases.

Section 5 - FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

- Foam.
- Dry chemical powder.

FIRE FIGHTING

- Alert Fire Brigade and tell them location and nature of hazard.
- Wear breathing apparatus plus protective gloves.

FIRE/EXPLOSION HAZARD

- Combustible.
- Slight fire hazard when exposed to heat or flame.

Other combustion products include:
carbon dioxide (CO₂).
metal oxides.

FIRE INCOMPATIBILITY

- » Avoid contamination with strong oxidising agents as ignition may result.

HAZCHEM: None

PERSONAL PROTECTION

Glasses:
Not normally required.
Gloves:
When handling larger quantities:
PVC chemical resistant type.
Respirator:
Particulate

Section 6 - ACCIDENTAL RELEASE MEASURES

MINOR SPILLS

- » Slippery when spilt.
- Remove all ignition sources.
- Clean up all spills immediately.

MAJOR SPILLS

- » Slippery when spilt.
- Remove all ignition sources.

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Section 6 - ACCIDENTAL RELEASE MEASURES

Minor hazard.

- Clear area of personnel.
- Alert Fire Brigade and tell them location and nature of hazard.

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

Section 7 - HANDLING AND STORAGE

PROCEDURE FOR HANDLING

- » Avoid smoking, naked lights or ignition sources.
- Limit all unnecessary personal contact.
- Wear protective clothing when risk of exposure occurs.

SUITABLE CONTAINER

- Metal can or drum
- Packaging as recommended by manufacturer.

STORAGE INCOMPATIBILITY

- » Avoid storage with oxidisers.

STORAGE REQUIREMENTS

- Store in original containers.
- Keep containers securely sealed.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS

Source	Material	TWA mg/m ³
Australia Exposure Standards	mineral oil (Oil mist, refined mineral)	5
Australia Exposure Standards	nickel (Nickel, metal)	1

PERSONAL PROTECTION

RESPIRATOR

Particulate

EYE

- » No special equipment for minor exposure i.e. when handling small quantities.

HANDS/FEET

- » No special equipment needed when handling small quantities.
- OTHERWISE: Wear chemical protective gloves, eg.

OTHER

- » No special equipment needed when handling small quantities.
- OTHERWISE:
- Overalls.
 - Barrier cream.

ENGINEERING CONTROLS

- » General exhaust is adequate under normal operating conditions. Local exhaust ventilation may be required in specific circumstances.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Smooth silver grey paste; does not mix with water.

PHYSICAL PROPERTIES

Liquid.
Does not mix with water.

Molecular Weight: Not applicable.
Melting Range (°C): Not available.
Solubility in water (g/L): Immiscible
pH (1% solution): Not applicable
Volatile Component (%vol): Negligible.
Relative Vapour Density (air=1): >1
Lower Explosive Limit (%): Not applicable

Boiling Range (°C): >316
Specific Gravity (water=1): Not available
pH (as supplied): Not applicable
Vapour Pressure (kPa): Negligible.
Evaporation Rate: Not applicable
Flash Point (°C): >232
Upper Explosive Limit (%): Not applicable

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Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Autoignition Temp (°C): Not available.
State: Non slump paste

Decomposition Temp (°C): Not available.
Viscosity: Not Available

Section 10 - CHEMICAL STABILITY AND REACTIVITY INFORMATION

CONDITIONS CONTRIBUTING TO INSTABILITY

- Presence of incompatible materials.
- Product is considered stable.

For incompatible materials - refer to Section 7 - Handling and Storage.

Section 11 - TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

ACUTE HEALTH EFFECTS

» Not applicable.

CHRONIC HEALTH EFFECTS

- » May cause SENSITISATION by skin contact.
- » Limited evidence of a carcinogenic effect.
- » Toxic: danger of serious damage to health by prolonged exposure through inhalation.

TOXICITY AND IRRITATION

» Not available. Refer to individual constituents.

CARCINOGEN

mineral oil

International Agency
for Research on Cancer
(IARC) Carcinogens

Group

1

nickel

International Agency
for Research on Cancer
(IARC) Carcinogens

Group

2B

REPROTOXIN

nickel

ILO Chemicals in the electronics industry
that have toxic effects on reproduction

Reduced fertility or
sterility

A

Section 12 - ECOLOGICAL INFORMATION

No data

Ecotoxicity

Ingredient

Persistence:
Water/Soil

Persistence:
Air

Bioaccumulat
ion

Mobility

Rocol Nickel Anti- Seize Compound

mineral oil

No data

No data

nickel

No data

LOW

Section 13 - DISPOSAL CONSIDERATIONS

- Recycle wherever possible or consult manufacturer for recycling options.
- Consult State Land Waste Authority for disposal.

Section 14 - TRANSPORTATION INFORMATION

HAZCHEM: None (ADG6)

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS: UN, IATA, IMDG

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Section 15 - REGULATORY INFORMATION

POISONS SCHEDULE: None

REGULATIONS

Rocol Nickel Anti-Seize Compound (CAS: None):
No regulations applicable

Regulations for ingredients
mineral oil (CAS:Not avail):
No regulations applicable

nickel (CAS: 7440-02-0) is found on the following regulatory lists;

- Australia - Australian Capital Territory - Environment Protection Regulation: Ambient environmental standards (AQUA/1 to 6 - inorganic chemicals)
- Australia - Australian Capital Territory - Environment Protection Regulation: Ambient environmental standards (Domestic water supply - inorganic chemicals)
- Australia - Australian Capital Territory - Environment Protection Regulation: Ambient environmental standards (IRRIG - inorganic chemicals)
- Australia - Australian Capital Territory - Environment Protection Regulation: Ambient environmental standards (STOCK - inorganic chemicals)
- Australia - Australian Capital Territory - Environment Protection Regulation: Pollutants entering waterways taken to cause environmental harm (Aquatic habitat)
- Australia - Australian Capital Territory - Environment Protection Regulation: Pollutants entering waterways taken to cause environmental harm (IRRIG)
- Australia - Australian Capital Territory Environment Protection Regulation Pollutants entering waterways - Agricultural uses (Stock)
- Australia - Australian Capital Territory Environment Protection Regulation Pollutants entering waterways - Domestic water quality
- Australia - Western Australia Hazardous Substances Prohibited for Specified Uses or Methods of Handling
- Australia Exposure Standards
- Australia Hazardous Substances
- Australia High Volume Industrial Chemical List (HVICL)
- Australia Inventory of Chemical Substances (AICS)
- Australia National Pollutant Inventory
- International Agency for Research on Cancer (IARC) Carcinogens
- OECD Representative List of High Production Volume (HPV) Chemicals
- WHO Guidelines for Drinking-water Quality - Guideline values for chemicals that are of health significance in drinking-water

No data available for mineral oil as CAS: Not avail.

Section 16 - OTHER INFORMATION

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

A list of reference resources used to assist the committee may be found at:
www.chemwatch.net/references.

» The (M)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.

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This is the end of the MSDS.