

# Material Safety Data



Performance you can trust

## Rocol Sapphire Ultraplex Grease

Chemwatch Material Safety Data Sheet  
Issue Date: 21-Jan-2011  
C9317EC

CHEMWATCH 4901-78  
Version No:3  
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### Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### PRODUCT NAME

Rocol Sapphire Ultraplex Grease

#### PRODUCT USE

Lubricant.

#### SUPPLIER

Company: ITW POLYMERS & FLUIDS  
Address:  
100 Hassall Street  
Wetherill Park  
NSW, 2164  
Australia  
Telephone: +61 2 9757 8800  
Emergency Tel: 1800 039 008  
Emergency Tel: +61 3 9573 3112  
Fax: +61 2 9757 3855

### Section 2 - HAZARDS IDENTIFICATION

#### STATEMENT OF HAZARDOUS NATURE

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

#### RISK

•None under normal operating conditions.

#### SAFETY

• Avoid contact with skin.

### Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

| NAME                             | CAS RN     | %     |
|----------------------------------|------------|-------|
| mineral oil<br>(solvent refined) | Not avail. | >60   |
| lithium soap thickener           |            | 10-30 |
| dye                              |            | <1    |
| performance additives            |            | <10   |

### 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.
- Observe the patient carefully.
- Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.

#### EYE

- If this product comes in contact with the eyes:

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Section 4 - FIRST AID MEASURES

- 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.
- Seek medical attention without delay; if pain persists or recurs seek medical attention.
- Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

## SKIN

■ If skin contact occurs:

- Immediately remove all contaminated clothing, including footwear.
- Flush skin and hair with running water (and soap if available).
- Seek medical attention in event of irritation.

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.
- Other measures are usually unnecessary.

## 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.
- High pressure accidental injection through the skin should be assessed for possible incision, irrigation and/or debridement.

NOTE: Injuries may not seem serious at first, but within a few hours tissue may become swollen, discoloured and extremely painful with extensive subcutaneous necrosis.

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## Section 5 - FIRE FIGHTING MEASURES

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### EXTINGUISHING MEDIA

- Foam.
- Dry chemical powder.
- BCF (where regulations permit).
- Carbon dioxide.

### FIRE FIGHTING

- Alert Fire Brigade and tell them location and nature of hazard.
- Wear breathing apparatus plus protective gloves.
- Prevent, by any means available, spillage from entering drains or water course.
- Use water delivered as a fine spray to control fire and cool adjacent area.

### FIRE/EXPLOSION HAZARD

- Combustible.
- Slight fire hazard when exposed to heat or flame.
- Heating may cause expansion or decomposition leading to violent rupture of containers.
- On combustion, may emit toxic fumes of carbon monoxide (CO).

Combustion products include: carbon dioxide (CO<sub>2</sub>), other pyrolysis products typical of burning organic material.  
May emit poisonous fumes.

### FIRE INCOMPATIBILITY

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

### HAZCHEM

None

### PERSONAL PROTECTION

Glasses:  
Chemical goggles.

Gloves:  
PVC chemical resistant type.

Respirator:  
Type A- P Filter of sufficient capacity

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## Section 6 - ACCIDENTAL RELEASE MEASURES

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### MINOR SPILLS

- Slippery when spilt.
- Clean up all spills immediately.
- Avoid contact with skin and eyes.
- Wear impervious gloves and safety goggles.
- Trowel up/scrape up.

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Section 6 - ACCIDENTAL RELEASE MEASURES

## MAJOR SPILLS

- Slippery when spilt.
- Minor hazard.
- Clear area of personnel.
- Alert Fire Brigade and tell them location and nature of hazard.
- Control personal contact by using protective equipment as required.
- Prevent spillage from entering drains or water ways.

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

## Section 7 - HANDLING AND STORAGE

### PROCEDURE FOR HANDLING

- Remove all ignition sources.
- Limit all unnecessary personal contact.
- Wear protective clothing when risk of exposure occurs.
- Use in a well-ventilated area.
- Avoid contact with incompatible materials.

### SUITABLE CONTAINER

- Metal can or drum
- Packaging as recommended by manufacturer.
- Check all containers are clearly labelled and free from leaks.

### STORAGE INCOMPATIBILITY

- Avoid storage with oxidisers.

### STORAGE REQUIREMENTS

- Store in original containers.
- Keep containers securely sealed.
- No smoking, naked lights or ignition sources.
- Store in a cool, dry, well-ventilated area.

## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE CONTROLS

| Source                       | Material                                | TWA ppm | TWA mg/m <sup>3</sup> | STEL ppm | STEL mg/m <sup>3</sup> | Peak ppm | Peak mg/m <sup>3</sup> | TWA F/CC | Notes |
|------------------------------|---|---------|-----------------------|----------|------------------------|----------|------------------------|----------|-------|
| Australia Exposure Standards | mineral oil (Oil mist, refined mineral) |         | 5                     |          |                        |          |                        |          |       |

### PERSONAL PROTECTION

#### RESPIRATOR

Type A-P Filter of sufficient capacity

#### EYE

- Safety glasses with side shields
- Chemical goggles.
- Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lens 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].

#### HANDS/FEET

- Wear chemical protective gloves, eg. PVC.
- Wear safety footwear or safety gumboots, eg. Rubber.

#### OTHER

- Overalls.
- P.V.C. apron.

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Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

- Barrier cream.
- Skin cleansing cream.

## ENGINEERING CONTROLS

- General exhaust is adequate under normal operating conditions. If risk of overexposure exists, wear SAA approved respirator.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE

Green grease; does not mix with water.

### PHYSICAL PROPERTIES

Liquid.  
Does not mix with water.  
Floats on water.

|                           |                 |                                 |                |
|---------------------------|-----------------|---------------------------------|----------------|
| State                     | Non slump paste | Molecular Weight                | Not available  |
| Melting Range (°C)        | Not available.  | Viscosity                       | Not available  |
| Boiling Range (°C)        | Not available.  | Solubility in water (g/L)       | Immiscible     |
| Flash Point (°C)          | >204            | pH (1% solution)                | Not applicable |
| Decomposition Temp (°C)   | Not available.  | pH (as supplied)                | Not applicable |
| Autoignition Temp (°C)    | Not available.  | Vapour Pressure (kPa)           | Negligible.    |
| Upper Explosive Limit (%) | 0.7             | Specific Gravity (water=1)      | 0.9 approx.    |
| Lower Explosive Limit (%) | 0.4             | Relative Vapour Density (air=1) | >1             |
| Volatile Component (%vol) | Negligible.     | Evaporation Rate                | Not available  |

## Section 10 - STABILITY AND REACTIVITY

### CONDITIONS CONTRIBUTING TO INSTABILITY

- Product is considered stable and hazardous polymerisation will not occur.  
*For incompatible materials - refer to Section 7 - Handling and Storage.*

## Section 11 - TOXICOLOGICAL INFORMATION

### POTENTIAL HEALTH EFFECTS

#### ACUTE HEALTH EFFECTS

- Generally not applicable.

#### CHRONIC HEALTH EFFECTS

- Generally not applicable.

### TOXICITY AND IRRITATION

#### ROCOL SAPPHIRE ULTRAPLEX GREASE:

- None assigned. Refer to individual constituents.

#### MINERAL OIL:

- unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances.

■ Toxicity and Irritation data for petroleum-based mineral oils are related to chemical components and vary as does the composition and source of the original crude.

A small but definite risk of occupational skin cancer occurs in workers exposed to persistent skin contamination by oils over a period of years.

Petroleum oils which are solvent refined/extracted or severely hydrotreated, contain very low concentrations of both.

## Section 12 - ECOLOGICAL INFORMATION

No data

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## Section 13 - DISPOSAL CONSIDERATIONS

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- Containers may still present a chemical hazard/ danger when empty.
  - Return to supplier for reuse/ recycling if possible.
- Otherwise:
- If container can not be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent re-use, and bury at an authorised landfill.
  - Where possible retain label warnings and MSDS and observe all notices pertaining to the product.

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## Section 14 - TRANSPORTATION INFORMATION

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HAZCHEM:  
None (ADG7)

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

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## Section 15 - REGULATORY INFORMATION

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POISONS SCHEDULE None

### REGULATIONS

#### Regulations for ingredients

No data for Rocol Sapphire Ultraplex Grease (CW: 4901-78)  
No data for mineral oil (CAS: , Not avail)

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## Section 16 - OTHER INFORMATION

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■ 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](http://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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Issue Date: 21-Jan-2011  
Print Date: 16-Feb-2011

*This is the end of the MSDS.*