

# Technical Data



Performance you can trust

## SAPPHIRE AQUA

### *Water Resistant Grease*

#### Description

**Sapphire Aqua** is a long life, water resistant grease designed for effective lubrication and protection of all types of plant and machinery exposed to wet conditions such as those found in the mineral processing and marine industries.

**Sapphire Aqua** is approved by the New Zealand Food Safety Authority.

#### Areas of application

Plain, ball and roller bearings such as those found in :-

- Boat trailer wheel bearings
- Boat winches
- Washeries
- Slipway apparatus
- Water Pumps

#### Features

- Extremely water resistant
- Good anti-wear characteristics
- Excellent corrosion resistance
- High load carrying properties
- Wide operating temperature range -30°C to 180°C
- NZFSA Approved C11 (Fish Game Meat)

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The information contained in this Technical Bulletin is as up to date and correct as possible as at the time of issue. The data provided should be used as a guide only as the performance of the product will vary depending on differing operating conditions and application methods.

The sale of any product described in this Technical Bulletin will be in accordance with ITW Polymers & Fluids Conditions Of Sale, a copy of which is available on request. To the extent permitted by law, ITW Polymers & Fluids excludes all other warranties in relation to this product.

## Technical data

	Test Method
Appearance .....	Translucent brown grease
Thickener.....	Lithium Stearate (Polymer Modified)
NLGI Classification.....	2
Worked Penetration (mm X 10 <sup>-1</sup> ) .....	265-295 ASTM D217 (IP50)
Base Fluid Type .....	Mineral Oil
Drop Point (°C).....	>200 ASTM D-566 (IP132)
'4 Ball'	
Weld Load (kg).....	400 ASTM D2596 (IP239)
Copper Corrosion Test.....	1B ASTM D130 (IP112)
Corrosion Test - EMCOR .....	00 IP220
Water Washout Test (%) at 38°C.....	3.5 ASTM D 1264 (IP215)
Temperature Range (continuous) .....	-30°C to 180 °C

## Directions for use

**Sapphire Aqua** may be applied either manually or by automatic greasing systems designed to pump an N.L.G.I No.2 grease.

**Sapphire Aqua** is compatible with most other soap-thickened greases.

However, for best results bearings should be cleaned or purged of the previous lubricant prior to use.

## Storage and Shelf Life

Store in dry conditions between 10°C and 30°C, away from sources of heat and naked flames. Protect from frost. When stored in original sealed containers, the minimum shelf life is four (4) years.

## Packaging

**Sapphire Aqua** is available in a 450g cartridge.

## Ordering Information:

450g cartridge                      #RK424031

## Health & Safety Information

The product is non-hazardous. A Material Safety Data Sheet is available from the ITW Polymers & Fluids Technical Department upon request or available on our website [www.rocol.com.au](http://www.rocol.com.au) .

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