# Tuflube Allweather

**Water resistant adhesive lubricant for a range of applications**

## Product Overview

ROCOL® Tuflube Allweather is a versatile and highly adhesive lubricant designed for effective lubrication and protection in extremely wet and highly loaded environments.

Tuflube Allweather has been designed as a self-repairing lubricant for slides, plain bearings & open gears. Conventional lubricants are pushed off the rubbing areas whereas Tuflube Allweather repairs the film as the surfaces continue to rub together.

Tuflube Allweather is a highly adhesive, high load grease which can even be applied underwater. It will continue operating even when used in submerged or tidal flow conditions.

## Features and Benefits

- ROCOL Tuflube Allweather has a wide temperature range of -30°C to +70°C.
- Outstanding EP performance with a weld load of 800kg.
- Tuflube Allweather is a tough, tenacious, self-repairing film which maintains a lubricant film on the surface longer than conventional lubricants.
- Excellent corrosion resistance to protect in humid, damp and even wet/submerged conditions.
- Tuflube Allweather can even be applied under water due to its excellent water displacing properties and resistance to water wash-off.
- Tuflube Allweather is easy to apply and free from bitumen and solvents.

## Directions for Storage and Use

- Apply manually or with an applicator suitable for NLGI No. 1 grease.
- Do not mix with other lubricants as performance may be impaired.
- The storage temperature should be controlled between +1°C and +40°C.
- Shelf life is 3 years from date of manufacture.

## Typical Applications

- ROCOL Tuflube Allweather is a soft pumpable grease for plain bushes, slides and open gears even when used outdoors in wet environments.
- It is ideal for sliding booms and open gears on cranes particularly those that have to be lubricated outdoors in all weather conditions.
- Tuflube Allweather has proven highly successful as a bucket pin lubricant for heavy plant and it remains pumpable even in cold conditions.
- Tuflube Allweather excels in applications such as lead screws, penstocks, sluice gates and winding gear on locks and in water treatment plants.

## Pack Sizes

| Pack Size | Part Code |
|---|---|
| 400g cartridge | 18271 |
| 5kg | 18276 |
| 18kg | 18244 |

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ROCOL A division of ITW Ltd

BS EN ISO 9001 Certificate No. FM 12448
BS EN ISO 14001 Certificate No. EMS 67596
OHSAS 18001 Certificate No. OHS 78173

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## Water resistant adhesive lubricant for a range of applications

| Property | Test Method | Result |
|---|---|---|
| Appearance | Visual | Smooth, black grease |
| NLGI No. | IP 50 – ASTM D217 | 0/1 |
| Base Type | N/A | Highly refined mineral oil |
| Base Fluid Viscosity at 40°C | IP 71 | 780cSt |
| Base Fluid Viscosity at 100°C | IP 71 | 42cSt |
| Thickener | N/A | Aluminium soap |
| Solids | N/A | Graphite |
| Temperature Range | N/A | -30°C to +70°C |
| 4-Ball: | | |
| Weld Load | IP 239 - ASTM D2596 | 800kg |
| Mean Hertz Load | IP 239 - ASTM D2596 | 107kg |
| Timken 'OK' Load | IP 326 – ASTM D2509 | 45 lbs |
| Salt Spray Corrosion Resistance | ASTM B-117 | No corrosion (10 days) |
| Water Spray Off | ASTM D404 | <0.5% loss |

Values quoted above are typical and do not constitute a specification.

## Safety Data Sheets

Safety data sheets are available for download from our website www.rocol.com or may be obtained from your usual ROCOL contact.

The information in this publication is based on our experience and reports from customers. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.

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# SAFETY DATA SHEET

TUFLUBE ALLWEATHER



**Compilation date:** 12/12/2012

**Revision No:** 4

## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product name:** TUFLUBE ALLWEATHER

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Use of substance / mixture:** Lubricating Grease

### 1.3. Details of the supplier of the safety data sheet

**Company name:** ROCOL
ROCOL House
Swillington
Leeds
West Yorkshire
LS26 8BS
ENGLAND
**Tel:** +44 (0) 113 232 2700
**Fax:** +44 (0) 113 232 2740
**Email:** customer-service@rocol.com

### 1.4. Emergency telephone number

**Emergency tel:** +44 (0) 113 232 2600

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification under CLP:** This product has no classification under CLP.

### 2.2. Label elements

**Label elements:** This product has no label elements.

### 2.3. Other hazards

**PBT:** This substance is not identified as a PBT substance.

## Section 3: Composition/information on ingredients

### 3.1. Substances

**Chemical identity:** TUFLUBE ALLWEATHER

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Wash immediately with plenty of soap and water.

[cont...]

**Eye contact:** Bathe the eye with running water for 15 minutes.

**Ingestion:** Wash out mouth with water.

### 4.2. Most important symptoms and effects, both acute and delayed

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** No symptoms.

### 4.3. Indication of any immediate medical attention and special treatment needed

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Use water spray to cool containers. Suitable extinguishing media for the surrounding fire should be used.

### 5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Refer to section 8 of SDS for personal protection details.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers.

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4. Reference to other sections

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in cool, well ventilated area.

**Suitable packaging:** Must only be kept in original packaging.

[cont...]

### 7.3. Specific end use(s)

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Workplace exposure limits:** Not applicable.

### 8.2. Exposure controls

**Respiratory protection:** Respiratory protection not normally required.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses with side-shields.

**Skin protection:** Protective clothing.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Paste

**Colour:** Blue-black

**Odour:** Odourless

**Evaporation rate:** Negligible

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Insoluble

**Viscosity:** Viscous

**Melting point/range°C:** > 200

**Flash point°C:** > 150

**Autoflammability°C:** > 150

**Relative density:** < 1

### 9.2. Other information

**Other information:** Not applicable.

## Section 10: Stability and reactivity

### 10.1. Reactivity

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

### 10.4. Conditions to avoid

**Conditions to avoid:** Heat.

### 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong reducing agents.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

[cont...]

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicity values:** Not applicable.

**Symptoms / routes of exposure**

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** No symptoms.

## Section 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity values:** Not applicable.

### 12.2. Persistence and degradability

**Persistence and degradability:** Only slightly biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

### 12.4. Mobility in soil

**Mobility:** Non-volatile. Absorbed only slowly into soil.

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This substance is not identified as a PBT substance.

### 12.6. Other adverse effects

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal of packaging:** Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

**Transport class:** This product does not require a classification for transport.

## Section 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

[cont...]

## Section 16: Other information

### Other information

**Other information:** EC Directive 1999/45/EC relating to the classification, packaging and labelling of dangerous preparations.
EC Directive 91/155/EEC defining the laying down and detailed arrangements for the system of specific information relating to dangerous preparations.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.