



## PRODUCT OVERVIEW

AquaShield™ is a premium lithium complex lubricating grease formulated with the highest quality base oils by **Quaker Houghton**. Compounded to cling to metal and O-ring surfaces, it provides long-term lubrication, rust protection, and seals out water and contaminants. Particularly effective on bearings, water pumps, O-rings, water filters, motors, and valves in hot or cold water, steam, pool chemicals, or salt water. Available in India through **Project Sales Corp (PSC)**.

## KEY FEATURES & BENEFITS

### Superior Water Resistance

Only 1.80% loss in ASTM D1264 washout and 1.40% in D4049 spray-off – outstanding in wet & flooded conditions.

### High Dropping Point

260°C / >500°F dropping point ensures stability and effectiveness at elevated operating temperatures.

### Excellent Load Capacity

4-Ball Weld 500 kg and Timken OK Value 20.5 kg confirm outstanding extreme pressure performance.

### Shear Stability

Retains NLGI 2 consistency whether in use or at rest for reliable lubrication over long service intervals.

### Corrosion & Rust Protection

Passes ASTM D1743. Lubricates, seals, and actively inhibits rust on metal surfaces.

### Zero Oil Separation

Nil oil separation (D1742) – grease maintains structure in storage and during application.

## APPLICATIONS

- Bearings, water pumps, motors, and valves operating in water, steam, or wet environments
- O-rings, water filters, and seals requiring long-term lubrication and contamination protection
- Marine equipment, boat trailers, and harbour machinery exposed to salt water or pool chemicals
- Steel mills, conveyors, and heavy industrial plant subject to water flooding or spray
- Any application where bearings or gears are affected by wet or humid conditions

## TYPICAL PROPERTIES (ASTM)

Appearance	<b>Smooth Blue-Green</b>
NLGI Grade	<b>2</b>
Worked Penetration (D217)	<b>265-295</b>
Soap Type	<b>Lithium Complex</b>
Dropping Point (D2265)	<b>260°C / &gt;500°F</b>
Base Fluid Viscosity @ 40°C	<b>992 cSt</b>
Base Fluid Viscosity @ 100°C	<b>55 cSt</b>
Base Oil Viscosity Index	<b>103</b>
Water Washout @ 79.4°C (D1264)	<b>1.80% loss</b>
Water Spray-Off (D4049)	<b>1.40% loss</b>
Oil Separation (D1742)	<b>Nil</b>
4-Ball Weld (D2596)	<b>500 kg</b>
4-Ball Wear Scar (D2266)	<b>0.5 mm</b>
Timken OK Value (D2509)	<b>20.5 kg</b>
Copper Corrosion (D4048)	<b>1b</b>
Corrosion Protection (D1743)	<b>Pass</b>
Flash Point (Cleveland)	<b>&gt;150°C / &gt;302°F</b>
VOC Content	<b>12 g/l</b>
Shelf Life	<b>24 months</b>

## ! WARNING - SAFETY SUMMARY

Suspected of damaging fertility or the unborn child (Reproductive Toxicity Cat. 2). Obtain special instructions before use. Wear protective gloves, clothing and eye/face protection. Contains titanium dioxide (IARC Group 2B). Refer to full SDS (Page 2) before handling.

DISTRIBUTOR - INDIA

**PSC** PROJECT SALES CORP

Contact PSC for pricing & availability  
SDS available upon request  
[www.projectsalescorp.com](http://www.projectsalescorp.com)

# SAFETY DATA SHEET – SUMMARY

## 2 HAZARDS IDENTIFICATION

### ⚠️ WARNING

REPRODUCTIVE TOXICITY  
**Category 2**

GHS SIGNAL WORD  
**Warning**

**Hazard Statement:** Suspected of damaging fertility or the unborn child.

**PREVENTION:** Obtain special instructions before use. Do not handle until all safety precautions read and understood. Wear protective gloves, clothing, and eye/face protection.

**RESPONSE:** IF exposed or concerned: Get medical advice or attention immediately.

**STORAGE:** Store locked up. Cool, dry, well-ventilated. Temp: 0–40°C / 32–104°F. Shelf life: 24 months.

**DISPOSAL:** Dispose per local, regional, national and international regulations via a licensed contractor.

## 4 FIRST AID MEASURES

**INHALATION:** Move to fresh air. If breathing irregular or arrested, give artificial respiration or oxygen by trained personnel. Get medical attention.

**SKIN CONTACT:** Brush off loose particles. Wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse.

**EYE CONTACT:** Flush with plenty of water for ≥15 minutes, lifting upper and lower eyelids. Remove contact lenses if easy to do.

**INGESTION:** Do not induce vomiting unless directed by medical personnel. Do not give anything to unconscious person. Get medical attention.

## 3 COMPOSITION / INGREDIENTS

COMPONENT	CAS NO.	%
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	25–50
Mineral oil (various grades)	Various	10–25
Mineral oil	–	≤10
Mineral oil (<3% DMSO)	–	≤3
Titanium dioxide	13463-67-7	<1
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	≤0.3

## 5 / 8 FIRE FIGHTING & PPE

**Extinguishing media:** Dry chemical, CO<sub>2</sub>, water spray (fog) or foam. Do not use water jet.

**Combustion products:** Carbon oxides, nitrogen oxides, metal oxides.

**Flash point:** >150°C (>302°F) Cleveland open cup.

### Respiratory

Not required under normal use. NIOSH-approved respirator if exposure limits may be exceeded.

### Eye / Face

Safety glasses with side shields. Eye wash stations close to workstation.

### Skin / Hands

Chemical-resistant, impervious gloves. Select based on risk assessment.

### Engineering

Process enclosures or local exhaust if dust or mist generated. Good ventilation.

## 9 PHYSICAL & CHEMICAL PROPERTIES

PHYSICAL STATE <b>Solid (Grease)</b>	COLOR <b>Blue / Green</b>	FLASH POINT <b>&gt;150°C / &gt;302°F</b>	DROPPING POINT <b>260°C / &gt;500°F</b>
KINEMATIC VISCOSITY <b>&gt;30 cSt @ 40°C</b>	VISCOSITY INDEX <b>103</b>	VOC CONTENT <b>12 g/l</b>	SOLUBILITY IN WATER <b>Not Soluble</b>
BOILING POINT <b>Not Available</b>	VAPOUR PRESSURE <b>Not Available</b>	STABILITY <b>Stable</b>	INCOMPATIBLES <b>Strong oxidizers, acids, alkalis</b>

## 11 TOXICOLOGICAL INFORMATION

**Key hazard:** Suspected reproductive toxicant (Cat. 2).

**Skin / Eyes:** Not expected under normal use.

**Inhalation:** No significant effects under normal use.

**Ingestion:** May cause GI irritation/diarrhea. Low acute oral toxicity.

COMPONENT	IARC	NOTES
Titanium dioxide	Group 2B	STOT Single Exp. Cat. 3 (respiratory)
Benzenamine reaction products	–	BCF 1730 – High bioaccumulation
Mineral oil	–	Not readily biodegradable

## 14 / 15 TRANSPORT & REGULATORY

**Transport (DOT / IATA / IMDG):** Not regulated. No hazard class, UN number, or packing group assigned.

### TSCA (US)

All components active or exempted on TSCA inventory.

### Canada CEPA

All components listed or exempted on Canadian DSL.

### SARA 311/312

Classified per GHS Section 2 (Reproductive Toxicity).

### Massachusetts

OIL MIST, MINERAL – listed under state regulations.

**California Prop. 65:** Exposes you to Ethylene oxide, Titanium dioxide, Naphthalene, Propylene oxide, 1,4-Dioxane, Ethyl acrylate, and Toluene – known to cause cancer or reproductive harm. See www.P65Warnings.ca.gov.