

Contact Sheet



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SAFETY DATA SHEET QUALUBE QUALGUARD HYBRID COOLANT

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name QUALUBE QUALGUARD HYBRID COOLANT
Product number QUALGUARD

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

Identified uses Antifreeze liquid.

1.3. Details of the supplier of the safety data sheet

Supplier WITHAM OIL AND PAINT LTD
 OUTER CIRCLE ROAD
 LINCOLN
 LN2 4HL
 01522 521192
 01522 537030
 01522 560228
 enquires@withamgroup.co.uk

Manufacturer WITHAM OIL AND PAINT LTD
 OUTER CIRCLE ROAD
 LINCOLN
 LN2 4HL
 01522 521192
 01522 537030
 01522 560228
 enquires@withamgroup.co.uk

1.4. Emergency telephone number

Emergency telephone (01522) 521192 Monday to Thursday 8.00am to 5.00pm, Friday 8.00am to 4.30pm.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

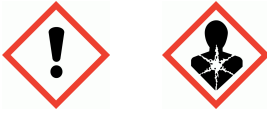
Physical hazards Not Classified
Health hazards Acute Tox. 4 - H302 STOT RE 2 - H373
Environmental hazards Not Classified

Classification (67/548/EEC or -
 1999/45/EC)

2.2. Label elements

QUALUBE QUALGUARD HYBRID COOLANT

Pictogram



Signal word

Warning

Hazard statements

H302 Harmful if swallowed.

H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

P260 Do not breathe vapour/spray.

P264 Wash contaminated skin thoroughly after handling.

P202 Do not handle until all safety precautions have been read and understood.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P405 Store locked up.

P501 Dispose of contents/container in accordance with national regulations.

Contains

ETHANEDIOL, SODIUM NITRITE

Supplementary precautionary statements

P201 Obtain special instructions before use.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

ETHANEDIOL	60-100%
CAS number: 107-21-1	EC number: 203-473-3

Classification

Acute Tox. 4 - H302

STOT RE 2 - H373

Classification (67/548/EEC or 1999/45/EC)

Xn;R22

DISODIUM TETRABORATE PENTAHYDRATE

<1%

CAS number: 12179-04-3

EC number: 215-540-4

Classification

Eye Irrit. 2 - H319

Repr. 1B - H360FD

Classification (67/548/EEC or 1999/45/EC)

Repr. Cat. 2;R60,R61

SODIUM NITRITE

<1%

CAS number: 7632-00-0

EC number: 231-555-9

M factor (Acute) = 1

Classification

Ox. Sol. 3 - H272

Acute Tox. 3 - H301

Aquatic Acute 1 - H400

Classification (67/548/EEC or 1999/45/EC)

O;R8 T;R25 N;R50

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

QUALUBE QUALGUARD HYBRID COOLANT

General information	Immediately remove any clothing soiled by the product.
Inhalation	Move affected person to fresh air at once. Supply fresh air or oxygen; call a doctor Place unconscious person on their side in the recovery position and ensure breathing can take place.
Ingestion	DO NOT induce vomiting. Get medical attention immediately. Rinse mouth thoroughly with water. Give plenty of water to drink.
Skin contact	Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

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

General information No further relevant information available.

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

Specific treatments No further relevant information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards No further relevant information available.

5.3. Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapours. Containers close to fire should be removed or cooled with water. Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. No smoking, sparks, flames or other sources of ignition near spillage. Eliminate all sources of ignition.

6.2. Environmental precautions

Environmental precautions Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Do not discharge into drains or watercourses or onto the ground. Collect and dispose of spillage as indicated in Section 13.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up For waste disposal, see Section 13. Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see section 13.

QUALUBE QUALGUARD HYBRID COOLANT

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Provide adequate ventilation. Keep container tightly sealed when not in use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store away from the following materials: Acids. Flammable/combustible materials. Store in tightly-closed, original container in a dry, cool and well-ventilated place.

Storage class No special requirements.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

ETHANEDIOL

Long-term exposure limit (8-hour TWA): WEL 20 ppm 52 mg/m³ vapour

Short-term exposure limit (15-minute): WEL 40 ppm 104 mg/m³ vapour

Sk

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ particulate

Sk

DISODIUM TETRABORATE PENTAHYDRATE

Long-term exposure limit (8-hour TWA): WEL 1.0 mg/m³

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

Ingredient comments WEL = Workplace Exposure Limits

ETHANEDIOL (CAS: 107-21-1)

DNEL Industry - Inhalation; Long term local effects: 35 mg/m³
 Industry - Dermal; Long term systemic effects: 106 mg/m³
 Consumer - Inhalation; Long term local effects: 7 mg/m³
 Consumer - Dermal; Long term systemic effects: 53 mg/m³

PNEC - Fresh water; 10 mg/l
 - Marine water; 1 mg/l
 - STP; 199.5 mg/l
 - Sediment (Freshwater); 20.9 mg/kg
 - Soil; 1.53 mg/kg
 - Intermittent release; 10 mg/l

DISODIUM TETRABORATE PENTAHYDRATE (CAS: 12179-04-3)

QUALUBE QUALGUARD HYBRID COOLANT

DNEL	<p>Consumer - Oral; Short term systemic effects: 1.15 mg/kg/day</p> <p>Industry - Inhalation; Short term local effects: 17.04 mg/m³</p> <p>Industry - Inhalation; Long term local effects: 17.04 mg/m³</p> <p>Industry - Inhalation; Long term systemic effects: 9.8 mg/m³</p> <p>Consumer - Inhalation; Short term local effects: 17.04 mg/m³</p> <p>Consumer - Inhalation; Long term local effects: 17.04 mg/m³</p> <p>Consumer - Inhalation; Long term systemic effects: 4.9 mg/m³</p> <p>Industry - Dermal; Long term systemic effects: 458.2 mg/kg/day</p> <p>Consumer - Dermal; Long term systemic effects: 231.8 mg/kg/day</p>
PNEC	<p>- Fresh water; 2.02 mg/l</p> <p>- Marine water; 2.02 mg/l</p> <p>- Intermittent release; 13.7 mg/l</p> <p>- Soil; 5.4 mg/kg</p> <p>- STP; 10.0 mg/l</p>

SODIUM NITRITE (CAS: 7632-00-0)

DNEL	<p>Workers - Inhalation; Short term systemic effects: 2 mg/m³</p> <p>Workers - Inhalation; Long term systemic effects: 2 mg/m³</p>
PNEC	<p>- Fresh water; 0.0054 mg/l</p> <p>- Sediment (Freshwater); 0.0195 mg/kg</p> <p>- Intermittent release; 0.0054 mg/l</p> <p>- Sediment (Marinewater); 0.0223 mg/kg</p> <p>- Marine water; 0.00616 mg/l</p> <p>- STP; 21 mg/l</p> <p>- Soil; 0.000733 mg/kg</p>

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

Wear tight-fitting, chemical splash goggles or face shield.

Hand protection

It is recommended that gloves are made of the following material: Nitrile rubber. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.

Other skin and body protection

Use barrier creams to prevent skin contact. Wear apron or protective clothing in case of contact.

Hygiene measures

Provide eyewash station. Wash hands at the end of each work shift and before eating, smoking and using the toilet.

Respiratory protection

No specific recommendations.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Red.

QUALUBE QUALGUARD HYBRID COOLANT

Odour	Odourless.
Initial boiling point and range	197°C @
Flash point	111°C Not specified.
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 3.2 VOL % Upper flammable/explosive limit: 53 VOL %
Vapour density	>1.0
Relative density	1.11
Solubility(ies)	Immiscible with water.
Auto-ignition temperature	398°C

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stability No decomposition if used according to specifications.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No dangerous reactions known.

10.4. Conditions to avoid

Conditions to avoid No relevant information available.

10.5. Incompatible materials

Materials to avoid Strong acids. Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects No data recorded.

Acute toxicity - oral

ATE oral (mg/kg) 704.23

Skin corrosion/irritation

Skin corrosion/irritation Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation Not irritating.

Skin sensitisation

Skin sensitisation Not sensitising.

Reproductive toxicity

Reproductive toxicity - fertility May damage fertility.

QUALUBE QUALGUARD HYBRID COOLANT

Reproductive toxicity - development	May damage the unborn child
General information	The product contains small amounts of organic solvents. Extensive use of the product in areas with inadequate ventilation may result in the accumulation of hazardous vapour concentrations.
Inhalation	Exposure to organic vapours in excess of the stated occupational exposure limit may result in adverse health effects such as irritation of the mucous membrane and the respiratory system and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
Ingestion	May cause discomfort if swallowed.
Skin contact	Prolonged contact may cause redness, irritation and dry skin.
Eye contact	Splashes in the eyes may cause irritation and reversible local damage
Acute and chronic health hazards	Prolonged contact may cause dryness of the skin.
Route of entry	Inhalation Skin absorption Ingestion. Skin and/or eye contact
Target organs	Kidneys Liver Central nervous system
Medical symptoms	Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Headache. Fatigue. Nausea, vomiting.

Toxicological information on ingredients.

ETHANEDIOL

Acute toxicity - oral

ATE oral (mg/kg) 500.0

DISODIUM TETRABORATE PENTAHYDRATE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 3,200.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,100.0

Species Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ dust/mist mg/l) 2.1

Species Rat

SODIUM NITRITE

Acute toxicity - oral

QUALUBE QUALGUARD HYBRID COOLANT

Acute toxicity oral (LD₅₀) 180.0
mg/kg)

Species Rat

SECTION 12: Ecological Information

Ecotoxicity There are no data on the ecotoxicity of this product.

12.1. Toxicity

Ecological information on ingredients.

ETHANEDIOL

Acute toxicity - fish LC₅₀, 96 hours: 72860 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: >100 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 96 hours: 6500-13000 mg/l, Pseudokirchneriella subcapitata

DISODIUM TETRABORATE PENTAHYDRATE

Acute toxicity - fish LC₅₀, 24 hours: 88 mg/l, Onchorhynchus mykiss (Rainbow trout)
LC₅₀, 7 days: 65 mg/l, Carassius auratus (Goldfish)

Acute toxicity - aquatic invertebrates EC₅₀, 24 hours: 242 mg/l, Daphnia magna

SODIUM NITRITE

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C₅₀ ≤ 1

M factor (Acute) 1

Acute toxicity - fish LC₅₀, 48 hours: 360 mg/l, Leuciscus idus (Golden orfe)
LC₅₀, 96 hours: 0.54-26.3 mg/l, Onchorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 15.4 mg/l, Daphnia magna
NOEC, : 9.86 mg/l,

12.2. Persistence and degradability

Persistence and degradability No further relevant information available.

12.3. Bioaccumulative potential

Bioaccumulative potential No further relevant information available.

12.4. Mobility in soil

Mobility No further relevant information available

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects No further relevant information available.

QUALUBE QUALGUARD HYBRID COOLANT

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information	Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).
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14.1. UN number

Not classified as dangerous goods for transport.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

National regulations	Health and Safety at Work etc. Act 1974 (as amended). The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended). The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716). Control of Substances Hazardous to Health Regulations 2002 (as amended).
EU legislation	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Water hazard classification	Water hazard class 1(Self assessment); slightly hazardous for water.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

QUALUBE QUALGUARD HYBRID COOLANT

Issued by	Technical manager
Revision date	24/06/2016
Revision	2
Supersedes date	13/10/2014
SDS number	20732
Hazard statements in full	H272 May intensify fire; oxidiser. H301 Toxic if swallowed. H302 Harmful if swallowed. H319 Causes serious eye irritation. H360FD May damage fertility. May damage the unborn child. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.