

SAFETY DATA SHEET 5L QUATTRO PREMIUM WASHING UP LIQUID CITRUS

Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

1.1. Product identifier

Product name 5L QUATTRO PREMIUM WASHING UP LIQUID CITRUS

Product number 800-162-0008

Container size 5L

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

Identified uses Detergent.

1.3. Details of the supplier of the safety data sheet

Supplier Quattro Hygiene Group Ltd

136-140 Old Shoreham Road

Brighton BN3 7BD

www.quattrohygiene.co.uk

03335 673 010

info@quattrohyiene.co.uk

1.4. Emergency telephone number

Emergency telephone 03335 673 010

National emergency telephone In case of a medical emergency following exposure to a chemical call NHS Direct in England

number or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Eye Irrit. 2 - H319

Environmental hazards Aquatic Chronic 3 - H412

2.2. Label elements

Pictogram



Signal word Warning

Hazard statements H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

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Precautionary statements P102 Keep out of reach of children.

P264 Wash contaminated skin thoroughly after handling.

P280 Wear protective gloves.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/ attention.
P501 Dispose of contents/ container in accordance with local regulations.

Contains C12-14-ALKYL ETHER SULFATES, COCONUT DIETHANOLAMIDE, AMINES, C12-14 -

ALKYLDIMETHYL, N-OXIDES

Detergent labelling 15 - < 30% anionic surfactants, < 5% non-ionic surfactants, < 5% perfumes, Contains d-

LIMONENE, 2-Bromo-2-nitropropane-1, 3-diol

Supplementary precautionary

statements

P310 Immediately call a POISON CENTER/ doctor.

P321 Specific treatment (see medical advice on this label).
P332+P313 If skin irritation occurs: Get medical advice/ attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P302+P352 IF ON SKIN: Wash with plenty of water.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

C12-14-ALKYL ETHER SULFATES 10-30%

CAS number: 68891-38-3 EC number: 500-234-8 REACH registration number: 01-

2119488639-16-XXXX

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

Skin Irrit. 2 - H315 Xi;R38,R41.

Eye Dam. 1 - H318 Aquatic Chronic 3 - H412

AMINES, C12-14 -ALKYLDIMETHYL, N-OXIDES <1%

CAS number: 308062-28-4 EC number: 931-292-6 REACH registration number: 01-

2119490061-47-XXXX

M factor (Acute) = 1

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

Acute Tox. 4 - H302 Xn;R22. Xi;R38,R41. N;R50.

Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411

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BRONOPOL (INN) <1%

CAS number: 52-51-7 EC number: 200-143-0 REACH registration number: 01-

2119980938-15-XXXX

M factor (Acute) = 10

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

Acute Tox. 4 - H302 Xn;R21/22 Xi;R37/38,R41 N;R50

Acute Tox. 4 - H312 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411

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

General information Provide eyewash station.

Inhalation Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical

attention if any discomfort continues.

Ingestion Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse

mouth thoroughly with water. Get medical attention if any discomfort continues.

Skin contact Rinse immediately with plenty of water. Remove contaminated clothing. 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 if symptoms are severe

or persist after washing. Show this Safety Data Sheet to the medical personnel.

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

General information Provide eyewash station.

Skin contact Prolonged contact may cause redness, irritation and dry skin.

Eye contact The product is irritating to eyes and skin. Prolonged or repeated exposure may cause the

following adverse effects: Irritation and redness, followed by blurred vision. Corneal damage.

Risk of serious damage to eyes.

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

Notes for the doctor No specific recommendations.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

Foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion

Thermal decomposition or combustion products may include the following substances: Oxides

products of carbon. Toxic gases or vapours.

5.3. Advice for firefighters

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Protective actions during

firefighting

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 For personal protection, see Section 8. Treat the spilled material according to the instructions

in the clean-up section. Take care as floors and other surfaces may become slippery.

6.2. Environmental precautions

Environmental precautions

Collect and dispose of spillage as indicated in Section 13. Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Stop leak if safe to do so. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Provide adequate ventilation. Avoid spilling. Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid breathing vapour/spray. Do not mix with other household chemical products. Do not mix with acid.

Advice on general occupational hygiene

Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using this product. Wash skin thoroughly after handling. Take off contaminated clothing and wash it before reuse. Use appropriate hand lotion to prevent defatting and cracking of skin.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store at room temperature. Keep out of the reach of children. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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

C12-14-ALKYL ETHER SULFATES (CAS: 68891-38-3)

DNEL Workers - Inhalation; Long term systemic effects: 175 mg/m³

Workers - Dermal; Long term systemic effects: 2750 mg/kg/day Consumer - Inhalation; Long term systemic effects: 52 mg/m³ Consumer - Dermal; Long term systemic effects: 1650 mg/kg/day Consumer - Oral; Long term systemic effects: 15 mg/kg/day

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PNEC - Fresh water; 0.24 mg/l

marine water; 0.024 mg/l
Intermittent release; 0.071 mg/l
Sediment, Fresh water; 0.917 mg/kg
Sediment, marine water; 0.092 mg/kg

Soil; 7.5 mg/kgSTP; 10,000 mg/l

AMINES, C12-14 -ALKYLDIMETHYL, N-OXIDES (CAS: 308062-28-4)

DNELWorkers - Inhalation; Long term systemic effects: 15.5 mg/m³

Workers - Dermal; Long term systemic effects: 11 mg/kg/day

General population - Inhalation; Long term systemic effects: 3.8 mg/m³ General population - Dermal; Long term systemic effects: 5.5 mg/kg/day General population - Oral; Long term systemic effects: 0.44 mg/kg/day

PNEC - Fresh water; 0.034 mg/l

- marine water; 0.003 mg/l

- STP; 24 mg/l

Sediment (Freshwater); 5.24 mg/kgSediment (Marinewater); 0.524 mg/kg

- Soil; 1.02 mg/kg

DIETHANOLAMINE (CAS: 111-42-2)

DNEL Workers - Inhalation; Long term local effects: 1 mg/m³

Workers - Dermal; Long term systemic effects: 0.13 mg/cm²

General population - Inhalation; Long term local effects: 0.25 mg/m³ General population - Dermal; Long term systemic effects: 0.07 mg/kg/day General population - Oral; Long term systemic effects: 0.06 mg/kg/day

PNEC - Fresh water; 0.02 mg/l

- marine water; 0.002 mg/l

- STP; 100 mg/l

Sediment (Freshwater); 0.092 mg/kgSediment (Marinewater); 0.009 mg/kg

- Soil; 0.007 mg/kg

LIMONENE (CAS: 5989-27-5)

DNEL Workers - Inhalation; Long term systemic effects: 66.7 mg/m³

Workers - Dermal; Long term systemic effects: 9.5 mg/kg/day

General population - Inhalation; Long term systemic effects: 16.6 mg/m³ General population - Dermal; Long term systemic effects: 4.8 mg/kg/day General population - Oral; Long term systemic effects: 4.8 mg/kg/day

PNEC - Fresh water; 0.014 mg/l

- marine water; 0.00014 mg/l

- STP; 1.8 mg/l

Sediment (Freshwater); 3.85 mg/kgSediment (Marinewater); 0.385 mg/kg

- Soil; 0.763 mg/kg

BRONOPOL (INN) (CAS: 52-51-7)

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DNEL Workers - Inhalation; Long term systemic effects: 4.1 mg/m³

Workers - Inhalation; Short term systemic effects: 12.3 mg/m³

Workers - Inhalation; Long term local effects: 4.2 mg/m³ Workers - Inhalation; Short term local effects: 4.2 mg/m³

Workers - Dermal; Long term systemic effects: 4.2 mg/kg/day

Workers - Dermal; Short term systemic effects: 7 mg/kg/day

Workers - Dermal; Long term local effects: 0.013 mg/cm²

Workers - Dermal; Short term local effects: 0.013 mg/cm²

General population - Inhalation; Long term systemic effects: 1.2 mg/m³ General population - Inhalation; Short term systemic effects: 3.7 mg/m³

General population - Inhalation; Long term local effects: 1.3 mg/m³

General population - Inhalation; Short term local effects: 1.3 mg/m³ General population - Dermal; Long term systemic effects: 1.4 mg/kg/day

General population - Dermal; Short term systemic effects: 4.2 mg/kg/day General population - Dermal; Long term local effects: 0.008 mg/cm²

General population - Dermal; Short term local effects: 0.008 mg/cm² General population - Oral; Long term systemic effects: 0.35 mg/kg/day

General population - Oral; Short term systemic effects: 1.1 mg/kg/day

PNEC - Fresh water; 0.01 mg/l - marine water; 0.008 mg/l

- Intermittent release; 0.0025 mg/l

- STP; 0.43 mg/l

Sediment (Freshwater); 0.041 mg/kgSediment (Marinewater); 0.00328 mg/kg

- Soil; 0.5 mg/kg

8.2. Exposure controls

Protective equipment





Appropriate engineering controls

Provide adequate ventilation.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Polyvinyl chloride (PVC). Rubber (natural, latex). Neoprene. Nitrile rubber. Polyethylene. To protect hands from chemicals, gloves should comply with European Standard EN374.

Other skin and body protection

har

Wear appropriate clothing to prevent repeated or prolonged skin contact. Use appropriate hand lotion to prevent defatting and cracking of skin.

Hygiene measures

When using do not eat, drink or smoke. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Use appropriate skin cream to prevent drying of skin.

Respiratory protection

Respiratory protection not required.

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Environmental exposure

controls

Avoid releasing into the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Liquid.

Colour Green.

Odour Lemon.

pH (concentrated solution): 6.5-8.5

Relative density 1.020-1.040 @ 20°C

Solubility(ies) Soluble in water.

Viscosity 800-1500 cP, s @ 20°C

Explosive propertiesThere are no chemical groups present in the product that are associated with explosive

properties.

Explosive under the influence

of a flame

Not considered to be explosive.

Oxidising properties The mixture itself has not been tested but none of the ingredient substances meet the criteria

for classification as oxidising.

Comments Information given is applicable to the product as supplied.

9.2. Other information

Other information Not relevant.

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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous

reactions

Not applicable.

10.4. Conditions to avoid

Conditions to avoid Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials to avoid No specific material or group of materials is likely to react with the product to produce a

hazardous situation.

10.6. Hazardous decomposition products

Hazardous decomposition

products

No known hazardous decomposition products.

SECTION 11: Toxicological information

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11.1. Information on toxicological effects

Toxicological effects Information given is based on data of the components and of similar products.

Acute toxicity - oral

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD₆₀) Calculation method. Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC50) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Skin corrosion/irritationBased on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Irritation of eyes is assumed. Calculation method.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitroDoes not contain any substances known to be mutagenic.

Carcinogenicity

Carcinogenicity Does not contain any substances known to be carcinogenic.

Reproductive toxicity

Reproductive toxicity - fertility Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

General information This product has low toxicity.

Ingestion May cause irritation. Symptoms following overexposure may include the following: Stomach

pain. Nausea, vomiting. Diarrhoea.

Skin contact Skin irritation should not occur when used as recommended. Prolonged or repeated exposure

may cause the following adverse effects: Irritation. Redness. Dryness and/or cracking. Mild

dermatitis, allergic skin rash.

Eye contact Irritating to eyes. May cause serious eye damage. Severe irritation, burning, tearing and

blurred vision. Corneal damage.

Toxicological information on ingredients.

C12-14-ALKYL ETHER SULFATES

Acute toxicity - oral

Acute toxicity oral (LD₅₀ 4,100.0

mg/kg)

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Species Rat

ATE oral (mg/kg) 4,100.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 2,001.0

mg/kg)

Species Rat

ATE dermal (mg/kg) 2,001.0

AMINES, C12-14 -ALKYLDIMETHYL, N-OXIDES

Acute toxicity - oral

Acute toxicity oral (LD₅₀ 1,064.0

mg/kg)

Species Rat

ATE oral (mg/kg) 1,064.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 2,000.1

mg/kg)

Species Rat

ATE dermal (mg/kg) 2,000.1

Skin corrosion/irritation

Skin corrosion/irritation Irritating to skin.

Serious eye damage/irritation

Serious eye

Causes serious eye irritation.

damage/irritation

Skin sensitisation

Skin sensitisation Not sensitising.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

SECTION 12: Ecological information

Ecotoxicity Harmful to aquatic life with long lasting effects.

12.1. Toxicity

Toxicity The product contains a substance which is harmful to aquatic organisms.

Ecological information on ingredients.

AMINES, C12-14 -ALKYLDIMETHYL, N-OXIDES

Toxicity Very toxic to aquatic organisms. Supplier's information.

Acute aquatic toxicity

LE(C)₅₀ $0.1 < L(E)C50 \le 1$

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M factor (Acute)

Acute toxicity - fish LC₅₀, 96 hours: 2.67 mg/l, Freshwater fish

Supplier's information.

Acute toxicity - aquatic

invertebrates

LC₅₀, 48 hours: 3.1 mg/l, Daphnia magna

Acute toxicity - aquatic

Supplier's information.

plants EC₅₀, 72 hours: 0.146 mg/l, Freshwater algae

Chronic aquatic toxicity

Chronic toxicity - fish early Supplier's information.

life stage NOEC, 302 days: 0.42 mg/l, Freshwater fish

Chronic toxicity - aquatic Supplier's information.

invertebrates NOEC, 21 days: 0.7 mg/l, Daphnia magna

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product. The surfactant(s) contained in this

product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct

request, or at the request of a detergent manufacturer.

Ecological information on ingredients.

AMINES, C12-14 -ALKYLDIMETHYL, N-OXIDES

Biodegradation The substance is readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Ecological information on ingredients.

AMINES, C12-14 -ALKYLDIMETHYL, N-OXIDES

Bioaccumulative potential No information available.

12.4. Mobility in soil

Mobility The product is water-soluble and may spread in water systems.

Ecological information on ingredients.

AMINES, C12-14 -ALKYLDIMETHYL, N-OXIDES

Mobility The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB

This product does not contain any substances classified as PBT or vPvB.

assessment

Ecological information on ingredients.

AMINES, C12-14 -ALKYLDIMETHYL, N-OXIDES

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

assessment

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12.6. Other adverse effects

Other adverse effects None known.

Ecological information on ingredients.

AMINES, C12-14 -ALKYLDIMETHYL, N-OXIDES

Other adverse effects Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Do not discharge into drains or watercourses or onto the ground.

Disposal methodsDispose of waste to licensed waste disposal site in accordance with the requirements of the

local Waste Disposal Authority. Reuse or recycle products wherever possible.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods

(IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

SECTION 15: Regulatory information

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

National regulations The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as

amended).

5L QUATTRO PREMIUM WASHING UP LIQUID CITRUS

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).

Commission Regulation (EU) No 453/2010 of 20 May 2010.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as

amended).

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at

work (as amended).

Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and

Directive 91/689/EEC on hazardous waste with amendments. Commission Regulation (EU) No 2015/830 of 28 May 2015.

Guidance Workplace Exposure Limits EH40.

ECHA Guidance on the Application of the CLP Criteria. ECHA Guidance on the compilation of safety data sheets.

COSHH Essentials.

Technical Guidance WM2: Hazardous Waste.

15.2. Chemical safety assessment

No information available.

SECTION 16: Other information

Abbreviations and acronyms DNEL: Derived No Effect Level.

used in the safety data sheet PBT: Persistent, Bioaccumulative and Toxic substance.

PNEC: Predicted No Effect Concentration.

MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as

modified by the Protocol of 1978.

Revision comments This is the first issue.

Revision date 20/11/2019

Revision 1

SDS number 22158

Hazard statements in full H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H318 Causes serious eye damage. H319 Causes serious eye irritation. H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

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.