

SAFETY DATA SHEET A00026

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

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

1.1. Product identifier

Product name A00026

Product number A00026, FP-000003, FP-000012, FP-000015, FP-000018, FP-000021

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

Identified uses Adhesive.

Uses advised againstNo specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier APOLLO CHEMICALS LTD

SANDY WAY

AMINGTON INDUSTRIAL ESTATE

TAMWORTH STAFFS B77 4DS

T: +44 (0) 1827 54281 F: +44 (0) 1827 53030 E: sds@apollo.co.uk

1.4. Emergency telephone number

Emergency telephone +44 01827 69662 (NOT 24HRS - 8am-5pm mon-fri)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Flam. Liq. 2 - H225

Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Repr. 2 - H361d STOT SE 3 - H336

STOT RE 2 - H373

Environmental hazards Aquatic Chronic 3 - H412

Physicochemical The product is highly flammable. Vapours may form explosive mixtures with air. Vapours are

heavier than air and may travel along the floor and accumulate in the bottom of containers.

Vapours may be ignited by a spark, a hot surface or an ember.

2.2. Label elements

Pictogram







Signal word

Danger

Hazard statements H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H361d Suspected of damaging the unborn child.

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

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P260 Do not breathe vapour/ spray.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

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

contact lenses, if present and easy to do. Continue rinsing.

P308+P313 IF exposed or concerned: Get medical advice/ attention.

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

Supplemental label

information

RCH002a Restricted to professional users.

Contains TOLUENE, hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane, ACETONE,

ROSIN

Supplementary precautionary

statements

P201 Obtain special instructions before use.

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

P240 Ground/ bond container and receiving equipment.

P241 Use explosion-proof electrical equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P261 Avoid breathing vapour/ spray.

P264 Wash contaminated skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

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

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/ shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER/ doctor if you feel unwell. P314 Get medical advice/ attention if you feel unwell. P321 Specific treatment (see medical advice on this label).

P332+P313 If skin irritation occurs: Get medical advice/ attention.

P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.

P337+P313 If eye irritation persists: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse.

P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

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

TOLUENE

CAS number: 108-88-3

EC number: 203-625-9

REACH registration number: 01-2119471310-51-0051

Classification
Flam. Liq. 2 - H225
Skin Irrit. 2 - H315
Repr. 2 - H361d
STOT SE 3 - H336
STOT RE 2 - H373

hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-

10-30%

hexane

CAS number: — EC number: 921-024-6 REACH registration number: 01-

2119475514-35-0001

Classification

Flam. Liq. 2 - H225

Asp. Tox. 1 - H304

Skin Irrit. 2 - H315

STOT SE 3 - H336

Asp. Tox. 1 - H304

Aquatic Chronic 2 - H411

ACETONE 10-30%

CAS number: 67-64-1 EC number: 200-662-2 REACH registration number: 01-

2119471330-49-0000

Classification

Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336

ROSIN 1-5%

CAS number: 8050-09-7 EC number: 232-475-7 REACH registration number: 01-

2119480418-32-0036

Classification

Skin Sens. 1 - H317

HEXANE-norm <1%

CAS number: 110-54-3 EC number: 203-777-6 REACH registration number: 01-

2119480412-44-0009

Classification

Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Repr. 2 - H361f STOT SE 3 - H336 STOT RE 2 - H373 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Get medical attention if any discomfort continues.

Inhalation Remove affected person from source of contamination. Move affected person to fresh air and

keep warm and at rest in a position comfortable for breathing.

Ingestion Rinse mouth thoroughly with water. Get medical attention.

Skin contact Remove contaminated clothing immediately and wash skin with soap and water.

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 immediately.

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

General information The severity of the symptoms described will vary dependent on the concentration and the

length of exposure.

Inhalation Vapours may cause headache, fatigue, dizziness and nausea.

Ingestion May cause discomfort if swallowed. May cause stomach pain or vomiting.

Skin contact Prolonged skin contact may cause redness and irritation.

Eye contact May cause temporary eye irritation.

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

Notes for the doctor
No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1. Extinguishing media

foam, carbon dioxide or dry powder.

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 The product is flammable. Heating may generate flammable vapours. Protection against

nuisance dust must be used when the airborne concentration exceeds 10 mg/m3. The product

is highly flammable.

Hazardous combustion

products

Does not decompose when used and stored as recommended.

5.3. Advice for firefighters

Protective actions during

firefighting

Control run-off water by containing and keeping it out of sewers and watercourses. Avoid

breathing fire gases or vapours. Keep up-wind to avoid fumes.

Special protective equipment

for firefighters

Wear chemical protective suit.

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.

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.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near

spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into

containers.

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet. For waste

disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautionsKeep away from heat, sparks and open flame. Static electricity and formation of sparks must

be prevented. 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.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from heat, sparks and open flame. Keep container tightly closed. Keep only in the

original container.

Storage class Flammable liquid storage.

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

TOLUENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 191 mg/m³ Short-term exposure limit (15-minute): WEL 100 ppm 384 mg/m³

Sk

ACETONE

Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m³ Short-term exposure limit (15-minute): WEL 1500 ppm 3620 mg/m³

HEXANE-norm

Long-term exposure limit (8-hour TWA): WEL 20 ppm 72 mg/m³

WEL = Workplace Exposure Limit Sk = Can be absorbed through the skin.

Ingredient comments WEL = Workplace Exposure Limits

TOLUENE (CAS: 108-88-3)

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

hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane

Ingredient comments WEL = Workplace Exposure Limits

DNEL Consumer - Oral; Long term systemic effects: 699 mg/kg bw/day

Workers - Oral; Long term systemic effects: 2035 mg/kg bw/day Consumer - Dermal; Long term systemic effects: 699 mg/kg bw/day Workers - Dermal; Long term systemic effects: 773 mg/kg bw/day Consumer - Inhalation; Long term systemic effects: 608 mg/m³

ACETONE (CAS: 67-64-1)

Ingredient comments WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective equipment











Provide adequate general and local exhaust ventilation. Observe any occupational exposure

Appropriate engineering controls

limits for the product or ingredients.

Eye/face protection

The following protection should be worn: Chemical splash goggles.

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: Nitrile rubber. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Wear apron or protective clothing in case of contact.

Hygiene measures

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station. Wash contaminated clothing before reuse. Wash hands after handling. Eating, smoking and water fountains prohibited in immediate work area.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: ABEK2-P3

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance Coloured liquid.

Colour Various colours.

Odour Characteristic.

pH Not available.

Melting point Not available.

Initial boiling point and range Estimated value. 62-100°C @

Not available.

Flash point FLASH POINT -26°C

Evaporation rate Not determined.

Evaporation factor Not available.

Flammability (solid, gas) Not available.

Upper/lower flammability or

explosive limits

Solubility(ies)

Odour threshold

Lower flammable/explosive limit: 0.6 Upper flammable/explosive limit: 13

Other flammability Not available.

Vapour pressure Not available.

Vapour densityNot available.Relative density0.86 @ 20°CBulk densityNot available.

Partition coefficient Not available.

Auto-ignition temperature 200°C

Decomposition Temperature Not available.

Viscosity Sinematic viscosity > 20.5 mm²/s.

Insoluble in water.

Explosive properties Not available.

Explosive under the influence

of a flame

Not considered to be explosive.

Oxidising properties Not available.

Comments Information given is applicable to the product as supplied.

9.2. Other information

Other information No information required.

Refractive index

Particle size

Not available.

Molecular weight

Not available.

Volatility

Not available.

Saturation concentration Not available. Not available. Critical temperature

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Stability No particular stability concerns. Stable at normal ambient temperatures and when used as

recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous

reactions

Not applicable. Not relevant.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition

products

Does not decompose when used and stored as recommended. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon.

Oxides of nitrogen.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information on ingredients.

TOLUENE

Acute toxicity - oral

Acute toxicity oral (LD₅o

mg/kg)

5,580.0

Species Rat

ATE oral (mg/kg) 5,580.0

Acute toxicity - dermal

Acute toxicity dermal (LD50

mg/kg)

12,196.0

Rabbit **Species**

ATE dermal (mg/kg) 12,196.0

Acute toxicity - inhalation

Acute toxicity inhalation

12,500.0

(LC50 vapours mg/l)

Species Rat

ATE inhalation (vapours

mg/l)

12,500.0

Carcinogenicity

IARC carcinogenicity

IARC Group 3 Not classifiable as to its carcinogenicity to humans.

hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane

Toxicological effects No information available.

Acute toxicity - oral

Acute toxicity oral (LD50

mg/kg)

5,840.0

Species Rat

Notes (oral LD₅₀) Not known. Data lacking.

ATE oral (mg/kg) 5,840.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 2,920.0

mg/kg)

Species Rat

Notes (dermal LD₅₀) Data lacking.

ATE dermal (mg/kg) 2,920.0

Acute toxicity - inhalation

Acute toxicity inhalation

(LC50 vapours mg/l)

25.2

Species Rat

ATE inhalation (vapours

mg/l)

25.2

Skin corrosion/irritation

Animal data Data lacking.

Serious eye damage/irritation

Serious eye

Data lacking.

damage/irritation

Aspiration hazard

Kinematic viscosity > 20.5 mm²/s. Aspiration hazard

Inhalation May cause respiratory system irritation.

Ingestion May cause stomach pain or vomiting.

Skin contact Irritating to skin.

Eye contact May cause severe eye irritation. Revision date: 30/04/2018 Revision: 20 Supersedes date: 01/06/2015

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Acute and chronic health

hazards

Vapour from this product may be hazardous by inhalation.

Route of entry

Inhalation Skin absorption Ingestion. Skin and/or eye contact

Target organs

No specific target organs known.

Medical symptoms

Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Headache. Fatigue. Nausea,

vomiting.

Medical considerations

No information available.

ACETONE

Other health effects

There is no evidence that the product can cause cancer.

Acute toxicity - oral

Acute toxicity oral (LD50

mg/kg)

5,800.0

Rat

Species

ATE oral (mg/kg) 5,800.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 7,426.0

mg/kg)

Species Rat

ATE dermal (mg/kg) 7.426.0

Acute toxicity - inhalation

Acute toxicity inhalation

(LC₅₀ vapours mg/l)

50,100.0

Species

ATE inhalation (vapours

mg/l)

50,100.0

Rat

Skin corrosion/irritation

Extreme pH Slightly irritating.

Serious eye damage/irritation

Serious eye

Moderately irritating.

damage/irritation

Respiratory sensitisation

Respiratory sensitisation Not sensitising.

HEXANE-norm

Acute toxicity - oral

Acute toxicity oral (LD₅o

25,000.0

mg/kg)

Species Rat Revision date: 30/04/2018 Revision: 20 Supersedes date: 01/06/2015

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ATE oral (mg/kg) 25,000.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ gases ppmV)

48,000.0

Species Rat

ATE inhalation (gases

ppm)

48,000.0

SECTION 12: Ecological Information

Ecological information on ingredients.

hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane

Ecotoxicity Dangerous for the environment.

12.1. Toxicity

Ecological information on ingredients.

TOLUENE

Acute toxicity - fish , 48 hours: > 1-10 mg/l, Freshwater fish

Acute toxicity - aquatic

invertebrates

EC₅₀, 48 hours: 11.5 mg/l, Daphnia magna

Acute toxicity - aquatic

plants

IC₅₀, 72 hours: 100 mg/l, Fish

hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane

Acute toxicity - fish LC_o, hours: >1-<10 mg/l, Algae

Acute toxicity - aquatic

invertebrates

EC₅₀, 48 hours: 3 mg/l, Daphnia magna

Acute toxicity - aquatic

plants

LC_o, hours: >1-<10 mg/l, Fish

ACETONE

Toxicity Not considered toxic to fish.

Acute toxicity - fish LC50, 96 hours: 5540 mg/l, Freshwater fish

, 96 hours: 11000 mg/l, Marinewater fish LC₅o, 96 hours: 11000 mg/l, Algae

2030, 00 110010. 11000 1119/1, 7 1190

Acute toxicity - aquatic

invertebrates

EC₅₀, 48 hours: 8800 mg/l, Daphnia magna EC₅₀, 48 hours: 8800 mg/l, Daphnia magna

Acute toxicity - aquatic

plants

IC₅₀, 72 hours: 430 mg/l, Fish

Acute toxicity - microorganisms

, 30 minutes: 1000 mg/l, Activated sludge

HEXANE-norm

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Acute toxicity - fish LC₅₀, EC₅₀, IC₅₀, : 10 mg/l, Algae

Acute toxicity - aquatic

invertebrates

LC₅₀, EC₅₀, IC₅₀, : 10 mg/l, Daphnia magna

Acute toxicity - aquatic

plants

LC₅₀, EC₅₀, IC₅₀, : 10 mg/l, Fish

12.2. Persistence and degradability

Ecological information on ingredients.

ACETONE

Persistence and degradability

The product is expected to be biodegradable.

12.3. Bioaccumulative potential

Partition coefficient Not available.

Ecological information on ingredients.

TOLUENE

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

Partition coefficient Not available.

ACETONE

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

BCF: 3,

Partition coefficient Pow: < -0.24

12.4. Mobility in soil

Mobility The product contains volatile organic compounds (VOCs) which will evaporate easily from all

surfaces.

Ecological information on ingredients.

TOLUENE

Mobility The product contains volatile organic compounds (VOCs) which will evaporate

easily from all surfaces.

ACETONE

Mobility The product is miscible with water and may spread in water systems.

Adsorption/desorption

coefficient

Water - log Koc: 1.5 @ 20°C

Henry's law constant 2929-3070 Pa m3/mol @ 25°C

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.

TOLUENE

Results of PBT and vPvB This product does not contain any substances classified as PBT or vPvB. assessment

ACETONE

Results of PBT and vPvB This product does not contain any substances classified as PBT or vPvB. **assessment**

12.6. Other adverse effects

Other adverse effects None known.

Ecological information on ingredients.

TOLUENE

Other adverse effects Not known.

ACETONE

Other adverse effects Not applicable.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste should be treated as controlled 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

14.1. UN number

UN No. (ADR/RID) 1133 UN No. (IMDG) 1133 UN No. (ICAO) 1133

14.2. UN proper shipping name

Proper shipping name

(ADR/RID)

ADHESIVES

Proper shipping name (IMDG) ADHESIVES

Proper shipping name (ICAO) ADHESIVES

Proper shipping name (ADN) ADHESIVES

14.3. Transport hazard class(es)

ADR/RID class 3

ADR/RID label 3

IMDG class 3

ICAO class/division 3

Transport labels



14.4. Packing group

ADR/RID packing group II

IMDG packing group II

ICAO packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-E, S-D

Hazard Identification Number 33

(ADR/RID)

Tunnel restriction code (D/E)

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

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 Commission Directive 91/322/EEC of 29 May 1991 on establishing indicative limit values by

implementing Council Directive 80/1107/EEC on the protection of workers from the risks

related to exposure to chemical, physical and biological agents at work.

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).

Authorisations (Title VII

Entry number: 48 This product is/contains a substance that is included in REGULATION (EC)

Regulation 1907/2006) No 1907/2006 (REACH) ANNEX XVII - RESTRICTIONS ON THE MANUFACTURE,

PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES,

MIXTURES AND ARTICLES.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Issued by Compliance
Revision date 30/04/2018

Revision 20

Supersedes date 01/06/2015

Hazard statements in full H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H361f Suspected of damaging fertility.

H336 May cause drowsiness or dizziness.

H361d Suspected of damaging the unborn child.

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

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

Store Between 5'c - 25'c

Contains SVHC NO

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.