

Product FLEETWOOD ULTRA TOUGH OXIDE - GREEN  
 Revision date 25 June 2019  
 Revision 1



**Safety Data Sheet (SDS)**  
 according to Regulation (EC) No. 1907/2006

**Section 1: Identification of the substance/preparation and of the company/undertaking**

**1.1 Product identifier**

**Product name** FLEETWOOD ULTRA TOUGH OXIDE - GREEN  
**Synonyms, Trade names** No information available.

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

**Identified uses** Paint or paint related material.  
**Uses advised against** No uses advised against are identified.

**1.3 Details of the supplier of the safety data sheet**

**Supplier** FSW Coatings Ltd  
 Virginia  
 Co Cavan  
 Ireland  
 Tel: 353 49854 7209  
**Contact person** info@fsw.ie

**1.4 Emergency telephone number**

**Emergency telephone** + 353 49854 7209 (Between 0900 and 1700 hrs Monday-Friday)

**Section 2: Hazards identification**

**2.1 Classification of the substance or mixture**

**Classification (EC 1272/2008)**  
 Physical and chemical hazards Flam. Liq 3- H226  
 Human health STOT SE 3 - H336  
 Environment Not classified

**2.2 Label elements**

**Contains** Not applicable

**Label in accordance with (EC) no. 1272/2008**



**Signal word** Danger

**Hazard statements** H226 Flammable liquid and vapour.  
 H336 May cause drowsiness or dizziness.

**Precautionary statements**

**Prevention**

P233 Keep container tightly closed.  
 P261 Avoid breathing dust/fume/ gas/mist/vapours/spray.  
 P271 Use only outdoors or in a well-ventilated area.

**Response**

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P312 Call a POISON CENTER or doctor/physician if you feel unwell.

**Storage**

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

**2.3 Other hazards**

None known.

**Section 3: Composition/identification of ingredients****3.1 Substance**

Not applicable.

**3.2 Mixtures**

Name	Product identifier	Reg. EU 1272/2008	%
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	CAS-No.: EC No.: 919-857-5 REACH Reg No.: 01-2119463258-33-XXXX	Asp. Tox - H304, Flam. Liq 3- H226, STOT SE 3 - H336	30-60%
Limestone	CAS-No.: 1317-65-3 EC No.: 215-279-6		10-30%
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	CAS-No.: EC No.: 918-481-9 REACH Reg No.: 01-2119457273-39-0000	Asp. Tox - H304	0-1%
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics	CAS-No.: EC No.: 927-632-8 REACH Reg No.: 01-2119457736-27-0000	Asp. Tox - H304	0-1%
naphtha (petroleum) Hydrotreated Heavy	CAS-No.: 64742-48-9 EC No.: 265-150-3 REACH Reg No.: 01-2119463258-33	Flam. Liq 3- H226, STOT SE 3 - H336, Asp. Tox - H304	0-1%
2-ethylhexanoic acid, zirconium salt	CAS-No.: 22464-99-9 EC No.: 245-018-1	Repr. 2 - H361d	0-1%
2-butanone oxime ethyl methyl ketoxime ethyl methyl ketone oxime	CAS-No.: 96-29-7 EC No.: 202-496-6	Acute Tox 4 - H312, Skin. Sens 1 - H317, Eye Dam. 1 - H318, Carc. 2 - H351	0-1%
cobalt bis(2-ethylhexanoate)	CAS-No.: 136-52-7 EC No.: 205-250-6 REACH Reg No.: 01-2119524678-29-XXXX	Aquatic Acute 1 - H400, Aquatic Chronic 3 - H412, Eye Irrit.2A - H319, Repr. 2 - H361, Skin. Sens 1 A- H317	0-1%
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	CAS-No.: 64742-48-9 EC No.: 919-857-5 REACH Reg No.: 01-2119463258-33-xxxx	STOT SE 3 - H336, Asp. Tox - H304, Flam. Liq 3- H226	0-1%
calcium carbonate	CAS-No.: 471-34-1 EC No.: 207-439-9 REACH Reg No.: 01-2119486795-18-XXXX		0-1%
naphtha (petroleum)	CAS-No.: 64741-65-7 EC No.: 265-067-2 REACH Reg No.: 01- 2119471991-29	Asp. Tox - H304, Flam. Liq 3- H226, Aquatic Chronic 2 - H411	0-1%
nonane	CAS-No.: 111-84-2 EC No.: 203-913-4 REACH Reg No.: 01-2119463259-31-XXXX	Aquatic Chronic 1 - H410, Skin Irrit.2 - H315, Asp. Tox - H304, Flam. Liq 3- H226, STOT SE 3 - H336	0-1%
butanone oxime	CAS-No.: 96-29-7 EC No.: 202-496-6 REACH Reg No.: 01-2119539477-28-0000	Acute Tox 4 - H312, Eye Dam. 1 - H318, Skin. Sens 1 - H317, Carc. 2 - H351	0-1%
propionic acid	CAS-No.: 79-09-4 EC No.: 201-176-3 REACH Reg No.: 01-2119486971-24-XXXX	Skin Corr. 1B - H314	0-1%
octane	CAS-No.: 111-65-9 EC No.: 203-892-1 REACH Reg No.: 01-2119463939-19-XXXX	Aquatic Chronic 1 - H410, Skin Irrit.2 - H315, Asp. Tox - H304, Flam. Liq 2- H225, STOT SE 3 - H336	0-1%

The full text for all hazard statements are displayed in section 16.

**Composition comments** The data shown are in accordance with the latest EC Directives.

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## Section 4: First aid measures

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### 4.1 Description of first aid measures

<b>General information</b>	General first aid, rest, warmth and fresh air.
<b>Inhalation</b>	Remove the affected person to fresh air, obtain medical attention if symptoms persist.
<b>Ingestion</b>	Rinse mouth thoroughly. Get medical attention immediately.
<b>Skin contact</b>	Remove affected person from source of contamination Remove contaminated clothes and rinse skin thoroughly with water. Wash skin with soap and water Get medical attention if symptoms persist.
<b>Eye contact</b>	Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Rinse with a gentle stream water for at least 15 minutes. Get prompt medical attention.

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

<b>General information</b>	The severity of the symptoms described will vary dependant of the concentration and the length of exposure.
<b>Inhalation</b>	May cause drowsiness or dizziness.
<b>Ingestion</b>	No specific symptoms noted.
<b>Skin contact</b>	No specific symptoms noted.
<b>Eye contact</b>	No specific symptoms noted.

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

<b>Notes to the physician</b>	Treat symptomatically.
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## Section 5: Fire-fighting measures

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### 5.1 Extinguishing media

<b>Extinguishing media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
<b>Unsuitable extinguishing media</b>	None noted.

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

<b>Hazardous combustion products</b>	When heated, toxic and corrosive vapours/gases may be formed
<b>Unusual fire &amp; explosion hazards</b>	No unusual fire or explosion hazards noted.
<b>Specific hazards</b>	If heated, harmful vapours may be formed.

### 5.3 Advice for firefighters

<b>Special fire fighting procedures</b>	Avoid breathing fire vapours. Keep up-wind to avoid fumes. Fight advanced or massive fires from safe distance or protected location. Do not scatter spilled material with more water than needed to fight the fire Do not get water inside container
<b>Protective equipment for firefighters</b>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

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## Section 6: Accidental release measures

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

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet. Do not smoke, use open fire or other sources of ignition. Make safe all sources of ignition. Avoid contact with skin and eyes.
<b>For emergency responders</b>	Follow safe handling advice and personal protective equipment recommendations for normal use of product.

### 6.2 Environmental precautions

<b>Environmental precautions</b>	Do not discharge into drains, water courses or onto the ground. Spillages or uncontrolled
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discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

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

#### Spill clean up methods

Stop leak if possible without risk. Wear necessary protective equipment. Absorb spillage with non-combustible, absorbent material. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container. Wash thoroughly after dealing with a spillage.

### 6.4 Reference to other sections

#### Reference to other sections

See section 1 for emergency contact. For personal protection, see section 8 For waste disposal, see section 13.

## Section 7: Handling and storage

### 7.1 Precautions for safe handling

#### Handling

Read and follow manufacturer's recommendations. Do not handle broken packages without protective equipment. Avoid spilling, skin and eye contact. Do not use contact lenses. Keep away from heat, sparks and open flame. Eliminate all sources of ignition. Observe occupational exposure limits and minimise the risk of inhalation of vapours and mist. Ensure adequate ventilation. Vapours are heavier than air and may spread along floors. Do not eat, drink or smoke when using the product.

### 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. Keep upright. Keep locked up and out of reach of children. Avoid storing for very long periods. Keep container tightly sealed when not in use.

#### Storage class

No information available.

### 7.3 Specific end use(s)

#### Specific end use(s)

The identified uses for this product are detailed in Section 1.

#### Usage description

Use only according to directions. Replace and tighten cap after use.

## Section 8: Exposure controls/Personal protection

### 8.1 Control parameters

Component	STD	TWA (8 Hrs)		STEL (15mins)		Notes
Limestone	OEL		10 mg/m <sup>3</sup>			
Limestone	OEL		4 mg/m <sup>3</sup>			
Limestone	OEL					
Limestone	OEL		4 mg/m <sup>3</sup>			
nonane	OEL	200 ppm	1050 mg/m <sup>3</sup>			
butanone oxime	OEL	3 ppm	10 mg/m <sup>3</sup>	10 ppm	33 mg/m <sup>3</sup>	
propionic acid	OEL	10 ppm	31 mg/m <sup>3</sup>	20 ppm	62 mg/m <sup>3</sup>	
octane	OEL	300 ppm	1450 mg/m <sup>3</sup>			

#### Ingredient comments

Ireland, Occupational Exposure Limits 2018.

### 8.2 Exposure Controls

#### Protective equipment



<b>Engineering measures</b>	Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.
<b>Respiratory equipment</b>	Use type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. Use respirators and components tested and approved under appropriate government standards such as CEN (EU).
<b>Hand protection</b>	Use suitable protective gloves if there is a risk of skin contact. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Change gloves regularly.
<b>Eye protection</b>	Wear safety goggles or face shield to prevent any possibility of eye contact. Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU).
<b>Other protection</b>	No information available.
<b>Hygiene measures</b>	DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.
<b>Process conditions</b>	Keep container tightly sealed when not in use.

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## Section 9: Physical and chemical properties

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### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	Viscous liquid.
<b>Colour</b>	Various.
<b>Odour</b>	Hydrocarbon, (slight).
<b>Odour threshold - lower</b>	No information available as testing has not been completed.
<b>Odour threshold - upper</b>	No information available as testing has not been completed.
<b>pH-Value, Conc. Solution</b>	No information available as testing has not been completed.
<b>pH-Value, Diluted solution</b>	No information available as testing has not been completed.
<b>Melting point</b>	May start to solidify at the following temperature: -15°C This is based on data for the following ingredient: Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, < 2% aromatics. Weighted average: -58.56°C
<b>Initial boiling point and boiling range</b>	>142°C
<b>Flash point</b>	Closed cup 42C
<b>Evaporation rate</b>	Highest known value: 0.04 (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics ) Weighted average: 0.03 compared with butyl acetate
<b>Flammability state</b>	Liquid
<b>Flammability limit - lower(%)</b>	Greatest known range: Lower: 0.6% Upper: 7% (Hydrocarbons, C10-C13, nalkanes,isoalkanes, cyclics, < 2% aromatics )
<b>Flammability limit - upper(%)</b>	Greatest known range: Lower: 0.6% Upper: 7% (Hydrocarbons, C10-C13, nalkanes, isoalkanes, cyclics, < 2% aromatics)
<b>Vapour pressure</b>	Highest known value: 0.1 to 0.3 kPa (0.8 to 2.3 mm Hg) (at 20°C) (Naphtha(petroleum), hydrotreated heavy). Weighted average: 0.16 kPa (1.2 mm Hg) (at 20°C)
<b>Vapour density (air=1)</b>	Highest known value: 4.5 (Air = 1) (Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, < 2% aromatics).
<b>Relative density</b>	No information available as testing has not been completed.
<b>Bulk density</b>	No information available as testing has not been completed.
<b>Solubility</b>	Insoluble in cold water
<b>Decomposition temperature</b>	Stable under normal handling and storage conditions.
<b>Partition coefficient; n-</b>	No information available as testing has not been completed.

**Octanol/Water**

<b>Auto ignition temperature (°C)</b>	Lowest known value: >230°C (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics).
<b>Viscosity</b>	Kinematic (40°C): >0.22 cm <sup>2</sup> /s
<b>Explosive properties</b>	Not classified as explosive.
<b>Oxidising properties</b>	The product does not meet the criteria to be classified as oxidising.

**9.2 Other information**

<b>Molecular weight</b>	No information available.
<b>Volatile organic compound</b>	No information available.
<b>Other information</b>	None noted.

**Section 10: Stability and reactivity****10.1 Reactivity**

<b>Reactivity</b>	No specific reactivity hazards associated with this product.
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**10.2 Chemical stability**

<b>Stability</b>	Stable under normal temperature conditions and recommended use.
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**10.3 Possibility of hazardous reactions**

<b>Hazardous reactions</b>	For information on hazardous reaction see section 10.1.
<b>Hazardous polymerisation</b>	Unknown.
<b>Polymerisation description</b>	Unknown.

**10.4 Conditions to Avoid**

<b>Conditions to avoid</b>	Avoid exposure to high temperatures or direct sunlight.
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**10.5 Incompatible materials**

<b>Materials to avoid</b>	Do not mix with other chemicals unless listed on directions.
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**10.6 Hazardous decomposition products**

<b>Hazardous decomposition products</b>	None under normal conditions.
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**Section 11: Toxicological information****11.1 Information on toxicological effects**

<b>Toxicological information</b>	No toxicological information for the overall finished product.
<b>Acute toxicity (Oral LD50)</b>	No information available.
<b>Acute toxicity (Dermal LD50)</b>	No information available.
<b>Acute toxicity (Inhalation LD50)</b>	No information available.
<b>Serious eye damage/irritation</b>	Product is not classified as an eye irritant.
<b>Skin corrosion/irritation</b>	No information available.
<b>Respiratory sensitisation</b>	No information available.
<b>Skin sensitisation</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.

**Specific target organ toxicity - Single exposure:**

STOT - Single exposure No information available.

**Specific target organ toxicity - Repeated exposure:**

STOT - Repeated exposure No information available.

**Inhalation**

May cause drowsiness or dizziness.

**Ingestion**

No specific symptoms noted.

**Skin contact**

No specific symptoms noted.

**Eye contact**

No specific symptoms noted.

**Waste management**

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

**Routes of entry**

No information available.

**Target organs**

No target organs specified.

**Aspiration hazards:**

No information available.

**Reproductive toxicity:**

No information available.

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**Section 12: Ecological information**

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**12.1 Toxicity****Acute toxicity - Fish** No information available.**Acute toxicity - Aquatic invertebrates** No information available.**Acute toxicity - Aquatic plants** No information available.**Acute toxicity - Microorganisms** No information available.**Chronic toxicity - Fish** No information available.**Chronic toxicity - Aquatic invertebrates** No information available.**Chronic toxicity - Aquatic plants** No information available.**Chronic toxicity - Microorganisms** No information available.**Ecotoxicity** No Ecological information on the finished product.**Eco toxicological information** No ecological toxicity available on the overall finished product.**12.2 Persistence and degradability****Degradability** The degradability of the product has not been stated.**Biological oxygen demand** No information available.**Chemical oxygen demand** No information available.**12.3 Bioaccumulative potential****Bioaccumulative potential** No data available on bioaccumulation.**Bioaccumulation factor** No information available.**Partition coefficient; n-Octanol/Water** No information available as testing has not been completed.**12.4 Mobility in soil****Mobility** No information available.**12.5 Results of PBT and vPvB assessment****Results of PBT and vPvB assessment** The product does not contain any PBT or vPvB Substances.**12.6 Other adverse effects****Other adverse effects** None known.

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**Section 13: Disposal considerations**

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**Waste management** When handling waste, consideration should be made to the safety precautions applying to handling of the product.

**13.1 Waste treatment methods**

<b>Disposal methods</b>	Dispose of waste and residues in accordance with local authority requirements, and in accordance with all local, national and international regulations.
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**Section 14: Transport information****14.1 UN number**

<b>UN no. (ADR)</b>	UN1263
<b>UN no. (IMDG)</b>	UN1263
<b>UN no. (IATA)</b>	UN1263

**14.2 UN proper shipping name**

<b>ADR proper shipping name</b>	PAINT or PAINT RELATED MATERIAL
<b>IMDG proper shipping name</b>	PAINT or PAINT RELATED MATERIAL
<b>IATA proper shipping name</b>	PAINT

**14.3 Transport hazard class(es)**

<b>ADR class</b>	3
<b>IMDG class</b>	3
<b>IATA class</b>	3

**Transport labels****14.4 Packing group**

<b>ADR/RID/ADN packing group</b>	III
<b>IMDG packing group</b>	III
<b>IATA packing group</b>	III

**14.5 Environmental hazards**

<b>ADR</b>	No
<b>IMDG</b>	No
<b>IATA</b>	No

**14.6 Special precautions for user**

<b>EMS</b>	F-E, S-E
<b>Emergency action code</b>	A3 A72 A192
<b>Hazard no. (ADR)</b>	30
<b>Tunnel restriction code</b>	(D/E)

**14.7 Transport in bulk according to annex II of MARPOL73/78 and the IBC code****Section 15: Regulatory information****15.1 Safety, health and environmental regulations/Legislation specific for the substance or mixture**

<b>EU legislation</b>	Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. Reach Regulation (EC) No 453/2010. The UN Globally Harmonized System (GHS) Safety Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 453/2010 of 20th May 2010 amending regulation (EC) No 1907/2006.
<b>Approved code of practice</b>	2018 Code of Practice for the Chemical Agents Regulations in accordance with section 60 of the Safety, Health and Welfare at Work Act 2005 (No. 10 of 2005).
<b>Chemical safety assessment</b>	No chemical safety assessment has been carried out.



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**Section 16: Other information**

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<b>General information</b>	This Safety Data Sheet is in accordance with Reach Regulation (EC) No 453/2010.
<b>Revision comments</b>	This is a first issue.
<b>Revision date</b>	25 June 2019
<b>Revision</b>	1
<b>Safety data sheet status</b>	Approved.

**Hazard statements in full**

<b>H226</b>	Flammable liquid and vapour.
<b>H304</b>	May be fatal if swallowed and enters airways.
<b>H336</b>	May cause drowsiness or dizziness.
<b>EUH066</b>	Repeated exposure may cause skin dryness or cracking.
<b>H361</b>	Suspected of damaging fertility or the unborn child .
<b>H312</b>	Harmful in contact with skin.
<b>H317</b>	May cause an allergic skin reaction.
<b>H318</b>	Causes serious eye damage.
<b>H351</b>	Suspected of causing cancer .
<b>H319</b>	Causes serious eye irritation.
<b>H400</b>	Very toxic to aquatic life.
<b>H412</b>	Harmful to aquatic life with long lasting effects.
<b>H411</b>	Toxic to aquatic life with long lasting effects.
<b>H315</b>	Causes skin irritation.
<b>H410</b>	Very toxic to aquatic life with long lasting effects.
<b>H314</b>	Causes severe skin burns and eye damage.
<b>H225</b>	Highly flammable liquid and vapour.

**Disclaimer**

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.