



## SAFETY DATA SHEET OMNICHLOR PLUS

Compiled in Accordance with EU and GB REACH and CLP Regulations.

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

#### 1.1. Product identifier

**Product name** OMNICHLOR PLUS  
**Product number** 800-409-0031

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

**Identified uses** Disinfectant.  
**Uses advised against** Not for direct oral consumption in concentrated form.

#### 1.3. Details of the supplier of the safety data sheet

**Supplier** COVENTRY CHEMICALS LTD  
WOODHAMS RD  
SISKIN DRIVE  
COVENTRY  
CV3 4FX  
Tel: +44 (0) 2476639739  
Fax: +44 (0) 2476639717  
Email: sales@coventrychemicals.com

**Contact person** For content of safety data sheet., sds@coventrychemicals.com

#### 1.4. Emergency telephone number

**Emergency telephone** +44 (0) 1865407333 (Strictly for emergencies only: incidents involving damage to human health and/or the environment)

**National emergency telephone number** In case of a medical emergency following exposure to a chemical call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24

**Irish NPIC number**

### 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 STOT SE 3 - H335  
**Environmental hazards** Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

#### 2.2. Label elements

##### Hazard pictograms



**Signal word** Warning

## OMNICHLOR PLUS

<b>Hazard statements</b>	H319 Causes serious eye irritation. H335 May cause respiratory irritation. H410 Very toxic to aquatic life with long lasting effects.
<b>Precautionary statements</b>	P102 Keep out of reach of children. P273 Avoid release to the environment. P280 Wear eye 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. P337+P313 If eye irritation persists: Get medical advice/ attention. P402 Store in a dry place. P405 Store locked up. P501 Dispose of contents/ container in accordance with local regulations.
<b>Supplemental label information</b>	EUH031 Contact with acids liberates toxic gas.
<b>Contains</b>	TROCLOSENE SODIUM

### 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

<b>TROCLOSENE SODIUM</b> <span style="float: right;"><b>30-60%</b></span>		
CAS number: 2893-78-9	EC number: 220-767-7	
M factor (Acute) = 1	M factor (Chronic) = 1	
<b>Classification</b> Ox. Sol. 2 - H272 Acute Tox. 4 - H302 Eye Irrit. 2 - H319 STOT SE 3 - H335 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	<b>Classification (67/548/EEC or 1999/45/EC)</b> E;R2 O;R8 Xn;R22 Xi;R36/37 R31 N;R50/53	
<b>ADIPIC ACID</b> <span style="float: right;"><b>10-30%</b></span>		
CAS number: 124-04-9	EC number: 204-673-3	
<b>Classification</b> Eye Irrit. 2 - H319	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xi;R36	
<b>SODIUM CARBONATE</b> <span style="float: right;"><b>1-5%</b></span>		
CAS number: 497-19-8	EC number: 207-838-8	REACH registration number: 01-2119485498-19-XXXX
<b>Classification</b> Eye Irrit. 2 - H319	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xi;R36	

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

## SECTION 4: First aid measures

## OMNICHLOR PLUS

### 4.1. Description of first aid measures

<b>Inhalation</b>	Remove person to fresh air and keep comfortable for breathing. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. If breathing stops, provide artificial respiration. Get medical attention immediately.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. IF SWALLOWED: Do not induce vomiting. Give plenty of water to drink. Give milk instead of water if readily available. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if symptoms are severe or persist.
<b>Skin contact</b>	Brush off loose particles from skin. Remove contaminated clothing immediately and wash skin with soap and water. Wash contaminated clothing before reuse. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Do not rub eye. Get medical attention if irritation persists after washing.

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

<b>Inhalation</b>	The product is not believed to present a hazard due to its physical nature. May cause damage to mucous membranes in nose, throat, lungs and bronchial system. Prolonged or repeated exposure may cause the following adverse effects: Coughing, chest tightness, feeling of chest pressure. Dizziness.
<b>Ingestion</b>	Due to the physical nature of this product, exposure by this route is unlikely. The product irritates mucous membranes and may cause abdominal discomfort if swallowed. May cause burns in mucous membranes, throat, oesophagus and stomach. Discoloration of the skin. Drowsiness, dizziness, disorientation, vertigo.
<b>Skin contact</b>	Prolonged contact with moist or wet product may cause burns. The product is considered to be a low hazard under normal conditions of use. Skin irritation should not occur when used as recommended.
<b>Eye contact</b>	May cause severe eye irritation. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

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

<b>Notes for the doctor</b>	Due to the potential for the production of Chlorine Gas, check for respiratory disorders.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Extinguish with foam, carbon dioxide, dry powder or water fog.
<b>Unsuitable extinguishing media</b>	Note:- The product will dissolve in the presence of directly applied water. If there is acidic material in the proximity, the run off could produce Chlorine Gas

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

<b>Specific hazards</b>	Thermal decomposition or combustion products may include the following substances: Hydrogen chloride (HCl). Nitrous gases (NO <sub>x</sub> ). Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO). Chlorine
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### 5.3. Advice for firefighters

<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Decontaminate fire fighting equipment and apparel after the incident using a 10% solution of sodium carbonate.
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## SECTION 6: Accidental release measures

## OMNICHLOR PLUS

### 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** Do not release into the environment. Avoid the spillage or runoff entering drains, sewers or watercourses. Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air). Note:- Comment applies to neat product, not "in-use" solutions.

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

**Methods for cleaning up** Clear up spills immediately and dispose of waste safely. Provide adequate ventilation. Avoid generation and spreading of dust. Avoid water contacting spilled material or leaking containers. Remove spillage with vacuum cleaner or collect with a shovel and broom, or similar. Collect and place in suitable waste disposal containers and seal securely. Avoid using water to clean up spillages or residues, unless the quantity remaining is very small. When handling waste, the safety precautions applying to handling of the product should be considered.

### 6.4. Reference to other sections

**Reference to other sections** For waste disposal, see Section 13. For personal protection, see Section 8. See Section 12 for additional information on ecological hazards.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Do not get in eyes, on skin, or on clothing. Avoid breathing dust. Respiratory protection may be required if excessive airborne contamination occurs. Remove contaminated clothing and wash the skin thoroughly with soap and water after work. Wash contaminated clothing before reuse. Wear tight-fitting, chemical splash goggles or face shield.

**Advice on general occupational hygiene** Provide eyewash station. Do not eat, drink or smoke when using this product. Good personal hygiene procedures should be implemented. Wash promptly with soap and water if skin becomes contaminated.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Store below 25°C. Keep container dry. Keep container tightly closed, in a cool, well ventilated place. Store away from incompatible materials (see Section 10). Contact with acids liberates toxic gas. Keep out of the reach of children. Store locked up. Vapour space in a closed container may contain a slight amount of chlorine gas and compounds from decomposition of the product.

### 7.3. Specific end use(s)

**Specific end use(s)** Mix only with water. Do not mix with other household chemical products. Do not mix with acid.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Occupational exposure limits

Additional Occupational Exposure Limit Values for possible hazards during processing:

7782-50-5 chlorine WEL (Great Britain) Short-term value: 1.5 mg/m<sup>3</sup>, 0.5 ppm

IOELV (EU) Short-term value: 1.5 mg/m<sup>3</sup>, 0.5 ppm

Long term exposure (8-hour TWA): WEL 10mg/m<sup>3</sup> inhaled dust.

Long term exposure (8-hour TWA0) WEL 4mg/m<sup>3</sup> respirable dust.

## TROCLOSENE SODIUM (CAS: 2893-78-9)

## OMNICHLOR PLUS

<b>DNEL</b>	Workers - Inhalation; Long term systemic effects: 8.11 mg/m <sup>3</sup> Workers - Dermal; Long term systemic effects: 2.3 mg/kg General population - Inhalation; Long term systemic effects: 1.99 mg/m <sup>3</sup> General population - Dermal; Long term systemic effects: 1.15 mg/kg/day General population - Dermal; Long term systemic effects: 1.15 mg/kg/day
<b>PNEC</b>	Fresh water; 0 mg/l Fresh water, Intermittent release; 0.002 mg/l marine water; 1.52 mg/l STP; 0.59 mg/l Sediment (Freshwater); 0.59 mg/l Soil; 0.756 mg/l

### SODIUM CARBONATE (CAS: 497-19-8)

<b>DNEL</b>	Workers - Inhalation; Long term local effects: 10 mg/m <sup>3</sup> General population - Inhalation; Long term local effects: 10 mg/m <sup>3</sup>
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## 8.2. Exposure controls

### Protective equipment



### Appropriate engineering controls

As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist. Use approved respirator if air contamination is above an acceptable level. Note: Comment refers to manufacturing and packaging, not normal use.

### Personal protection

This product is not classified for skin irritation or corrosion, but the use of gloves for extended use is recommended.

### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Refer to EN166. Provide eyewash station.

### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. To protect hands from chemicals, gloves should comply with European Standard EN374. In normal use gloves are not required. During manufacture and filling operations, the use of gloves with a breakthrough time of >60minutes is recommended. It is recommended that gloves are made of the following material: Nitrile rubber. Butyl rubber. Rubber (natural, latex). Neoprene. Polyvinyl chloride (PVC).

### Other skin and body protection

Wear appropriate clothing to prevent skin contamination. Wash contaminated clothing before reuse.

### Hygiene measures

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.

### Respiratory protection

Respiratory protection is important in manufacture and packing operations, it is unlikely to be needed in normal use unless a risk assessment suggests that WEL exposure levels quoted in section 8 of this SDS will be exceeded.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Tablet.
<b>Colour</b>	White/off-white.

## OMNICHLOR PLUS

<b>Odour</b>	Chlorine.
<b>Odour threshold</b>	No information available.
<b>pH</b>	pH (concentrated solution): 5-6
<b>Melting point</b>	Not applicable.
<b>Initial boiling point and range</b>	Not applicable.
<b>Flash point</b>	Not applicable. Solid.
<b>Evaporation rate</b>	Not applicable.
<b>Evaporation factor</b>	Not applicable.
<b>Flammability (solid, gas)</b>	The product is not flammable.
<b>Vapour pressure</b>	The product is non-volatile. Not applicable.
<b>Vapour density</b>	Not applicable. The product is non-volatile.
<b>Relative density</b>	~1.5
<b>Bulk density</b>	Not applicable.
<b>Solubility(ies)</b>	Completely soluble in water.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition Temperature</b>	225-250°C
<b>Viscosity</b>	Not applicable.
<b>Explosive properties</b>	Not considered to be explosive.
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising.
<b>Comments</b>	Information given is applicable to the product as supplied.

### 9.2. Other information

**Other information** Not relevant.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** The reactivity data for this product will be typical of those for the following class of materials: Acids. Alkalis. Oxidising materials.

### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Contact with acids liberates toxic chlorine gas.

### 10.4. Conditions to avoid

**Conditions to avoid** Keep at temperature not exceeding 25°C. Avoid handling which leads to dust formation. Avoid contact with: Water, moisture.

### 10.5. Incompatible materials

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**Materials to avoid** Avoid contact with the following materials: Strong acids. Strong alkalis. Reducing agents. Flammable/combustible materials. Ammonia. Organic compounds. Oxidising agents.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Chlorine. Oxides of carbon. Chlorides. Hydrogen chloride (HCl). Isocyanates Nitrous gases (NOx).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicological effects** Information given is applicable to the major ingredient.

**Other health effects** Does not contain any substances known to be carcinogenic.

#### Skin sensitisation

**Skin sensitisation** Not sensitising.

#### Inhalation

Dust irritates the respiratory system, and may cause coughing and difficulties in breathing. Note:- Contact with acid will produce Chlorine Gas, this may result in breathing difficulties.

#### 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: Dryness and/or cracking.

#### Eye contact

Causes eye irritation. Dust in the eyes will cause irritation.

### Toxicological information on ingredients.

#### TROCLOSENE SODIUM

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 1,436.0

**Species** Rat

**Notes (oral LD<sub>50</sub>)** REACH dossier information.

**ATE oral (mg/kg)** 1,436.0

##### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 5,000.1

**Species** Rat

**Notes (dermal LD<sub>50</sub>)** Not classified. REACH dossier information.

**ATE dermal (mg/kg)** 5,000.1

##### Skin corrosion/irritation

**Skin corrosion/irritation** Corrosive to skin. Conclusive data but not sufficient for classification. REACH dossier information.

##### Serious eye damage/irritation

**Serious eye damage/irritation** Causes serious eye irritation. Corrosivity to eyes is assumed. REACH dossier information.

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### Respiratory sensitisation

**Respiratory sensitisation** No information available.

### Skin sensitisation

**Skin sensitisation** Based on available data the classification criteria are not met. Not sensitising. REACH dossier information.

### Germ cell mutagenicity

**Genotoxicity - in vitro** Gene mutation: Negative. REACH dossier information.

**Genotoxicity - in vivo** Chromosome aberration: Negative. Based on available data the classification criteria are not met. REACH dossier information.

### Carcinogenicity

**Carcinogenicity** No evidence of carcinogenicity in animal studies. REACH dossier information.

**IARC carcinogenicity** Not listed.

**NTP carcinogenicity** Not listed.

### Reproductive toxicity

**Reproductive toxicity - fertility** No evidence of reproductive toxicity in animal studies. REACH dossier information.

## SECTION 12: Ecological information

**Ecotoxicity** Very toxic to aquatic life with long lasting effects. The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment. The product does not contain any substances expected to be bioaccumulating.

### 12.1. Toxicity

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

### Ecological information on ingredients.

#### TROCLOSENE SODIUM

##### Acute aquatic toxicity

**LE(C)<sub>50</sub>** 0.1 < L(E)C<sub>50</sub> ≤ 1

**M factor (Acute)** 1

**Acute toxicity - fish** REACH dossier information.  
LC<sub>50</sub>, 96 hours: 0.24 mg/l, Oncorhynchus mykiss (Rainbow trout)

**Acute toxicity - aquatic invertebrates** LC<sub>50</sub>, 48 hours: 0.196 mg/l, Daphnia magna

##### Chronic aquatic toxicity

**M factor (Chronic)** 1

**Chronic toxicity - fish early life stage** NOEC, 28 days: 756 mg/l,

### 12.2. Persistence and degradability

**Persistence and degradability** Organic components are biodegradable.

### Ecological information on ingredients.



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## TROCLOSENE SODIUM

<b>Biodegradation</b>	Degradation (%) Water - Degradation 2%: 28 days - Cyanuric acid biodegrades readily in anaerobic soils:
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### 12.3. Bioaccumulative potential

**Bioaccumulative potential** Organic components are expected to Biodegrade.

### Ecological information on ingredients.

## TROCLOSENE SODIUM

<b>Partition coefficient</b>	log Pow: -0.056
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### 12.4. Mobility in soil

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

### 12.5. Results of PBT and vPvB assessment

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

### 12.6. Other adverse effects

**Other adverse effects** There is evidence that sodium hypochlorite inhibits the aerobic treatment process at a concentration of 0.05 mg/l.

## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

**General information** When handling waste, the safety precautions applying to handling of the product should be considered.

**Disposal methods** Dispose of waste product or used containers in accordance with local regulations Normal use solutions are expected to be flushed to sewers.

## **SECTION 14: Transport information**

**General** As supplied, this product is consigned under the Limited Quantities provisions.

### 14.1. UN number

**UN No. (ADR/RID)** 3077

**UN No. (IMDG)** 3077

**UN No. (ICAO)** 3077

**UN No. (ADN)** 3077

### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS TROCLOSENE SODIUM)

**Proper shipping name (IMDG)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS TROCLOSENE SODIUM)

**Proper shipping name (ICAO)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS TROCLOSENE SODIUM)

## OMNICHLOR PLUS

**Proper shipping name (ADN)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS TROCLOSENE SODIUM)

### 14.3. Transport hazard class(es)

ADR/RID class	9
ADR/RID classification code	M7
ADR/RID label	9
IMDG class	9
ICAO class/division	9
ADN class	9

### Transport labels



### 14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III
ADN packing group	III

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



### 14.6. Special precautions for user

EmS	F-A, S-F
ADR transport category	3
Hazard Identification Number (ADR/RID)	90

### 14.7. Transport in bulk according to Annex II of MARPOL 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	GB (UK) CLP and REACH Regulations. EH40/2005 Workplace exposure limits.
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## OMNICHLOR PLUS

<b>EU legislation</b>	<p>Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended).</p> <p>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).</p> <p>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).</p> <p>Commission Regulation (EU) No 453/2010 of 20 May 2010.</p> <p>Commission Regulation (EU) No 2015/830 of 28 May 2015.</p>
<b>Guidance</b>	<p>COSHH Essentials.</p> <p>ECHA Guidance on the Application of the CLP Criteria.</p> <p>ECHA Guidance on the compilation of safety data sheets.</p>

### 15.2. Chemical safety assessment

#### SECTION 16: Other information

<b>Abbreviations and acronyms used in the safety data sheet</b>	<p>PBT: Persistent, Bioaccumulative and Toxic substance.</p> <p>vPvB: Very Persistent and Very Bioaccumulative.</p> <p>MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.</p> <p>PNEC: Predicted No Effect Concentration.</p> <p>DNEL: Derived No Effect Level.</p>
<b>Revision comments</b>	This is the first issue.
<b>Revision date</b>	16/07/2021
<b>Revision</b>	1
<b>SDS number</b>	22589
<b>Hazard statements in full</b>	<p>H272 May intensify fire; oxidiser.</p> <p>H302 Harmful if swallowed.</p> <p>H319 Causes serious eye irritation.</p> <p>H335 May cause respiratory irritation.</p> <p>H400 Very toxic to aquatic life.</p> <p>H410 Very toxic to aquatic life with long lasting effects.</p>

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.----- END OF SDS -----