

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE

SAFETY DATA SHEET

0.14g (0.067g NaDCC) Effervescent Chlorine Tablets

1.1.	Product identifier				
	Trade name:	0.14g (0.067g NaD Tablets	OCC) Effervescent Chlorine		
	Product no.:	910180			
1.2.	Relevant identified uses of the substance or	r mixture and use	s advised against		
	Relevant identified uses of the substance or mixture:	Disinfectant			
	Use descriptors (UK REACH):	Product category	Description		
		PC 8	Biocidal Products (e.g. Disinfectants, pest control)		
	Uses advised against :	None known.			
1.3.	Details of the supplier of the safety data sheet				
	Company and address: E-mail: Revision: SDS Version: Date of previous version:	Chemisphere UK Ltd Unit 7-8, Severnside Trading Estate			
		Textilose Road, Trafford Park,			
		Manchester, M17 T: +44(0)161 874 7 Mon to Fri)	1WA, UK 200 (Hours 09:00- 17:00		
		safetydata@chemi	isphereuk.co.uk		
		18/02/2025			
		4.0			
		16/01/2023 (3.0)			
1.4.	 Emergency telephone number Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24 hour service) General public: England - Dial 111 to reach NHS 111 (24 hour service) Scotland - Dial 112 to reach NHS 24 (24 hour service) Wales - Dial 111 or 0845 4647 to reach NHS Direct (24 hour service) See section 4 "First aid measures". 				

2.1. Classification of the substance or mixture

Eye Irrit. 2; H319, Causes serious eye irritation. STOT SE 3; H335, May cause respiratory irritation. Aquatic Acute 1; H400, Very toxic to aquatic life. Aquatic Chronic 1; H410, Very toxic to aquatic life with long lasting effects.

2.2. Label elements



	Hazard pictogram(s):	
	Signal word:	Warning
	Hazard statement(s):	Causes serious eye irritation. (H319) May cause respiratory irritation. (H335) Very toxic to aquatic life with long lasting effects. (H410)
	Precautionary statement(s):	
	General:	If medical advice is needed, have product container or label at hand. (P101) Keep out of reach of children. (P102)
	▼ Prevention:	Wash hands thoroughly after handling. (P264) Use only outdoors or in a well-ventilated
		area. (P271) Avoid release to the environment. (P273) Wear protective gloves/protective clothing/eye protection/face protection. (P280)
	Response:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338) If eye irritation persists: Get medical advice/attention. (P337+P313) Collect spillage. (P391)
	▼ Storage:	Store in a dry place. Store in a closed container. (P402+P404) Store locked up. (P405)
	▼ Disposal:	Dispose of contents/container in accordance with local regulation (P501)
	Hazardous substances:	Troclosene sodium
	Additional labelling:	EUH031, Contact with acids liberates toxic gas. EUH206, Warning! Do not use together with other products. May release dangerous gases (chlorine).
		Active substance(s): Troclosene sodium (48 g/100g)
2.3.	Other hazards	
	▼ Additional warnings:	This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification. This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU)



2023/707.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. ▼Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Troclosene sodium	CAS No.: 2893-78-9 EC No.: 220-767-7 UK-REACH: EU 01- 2119489371-33-XXXX Index No.: 613-030-01-7	40-60%	EUH031 Ox. Sol. 2, H272 Acute Tox. 4, H302 Eye Irrit. 2, H319 STOT SE 3, H335 (SCL: 10.00 %) Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	
Adipic acid	CAS No.: 124-04-9 EC No.: 204-673-3 UK-REACH: Index No.: 607-144-00-9	15-25%	Eye Irrit. 2, H319	
Sodium carbonate	CAS No.: 497-19-8 EC No.: 207-838-8 UK-REACH: EU 01- 2119485498-19-XXXX Index No.: 011-005-00-2	3-5%	Eye Irrit. 2, H319	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

SECTION 4: FIRST AID MEASURES

4.1.	Description of first aid measures		
	General information:	In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.	
	Inhalation:	Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.	
	Skin contact:	Upon irritation: rinse with water. In the event of continued irritation, seek medical	



▼ Eye contact:

▼ Ingestion:

assistance.

IF IN EYES: Rinse with water. Remove contact lenses, if present and easy to do. Continue rinsing for 5 minutes. Call a POISON CENTRE or a doctor.

IF SWALLOWED: Rinse mouth. Give something to drink, if exposed person is able to swallow. Do NOT induce vomiting. Call a POISON CENTRE or a doctor.

Burns:

Not applicable.

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

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

4.3. Indication of any immediate medical attention and special treatment needed If eye irritation persists: Get medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist. Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters. If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are: Carbon oxides (CO / CO2) Some metal oxides

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice. Hazchem Code: 2Z

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Ensure suitable respiratory protection is worn during removal of spillages in confined areas. Avoid inhalation of dust and contact with skin and eyes. Wash thoroughly after dealing with a spillage.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.



6.3. • Methods and material for containment and cleaning up

Limit spillage, sweep up and shovel into appropriate containers for disposal. Store in suitable, closed containers for disposal.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste. See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area. See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. ▼ Conditions for safe storage, including any incompatibilities

Recommended storage material:	Keep only in original packaging.
Storage conditions:	Ambient temperature and humidity, in original packaging securely closed
▼ Incompatible materials:	Will not polymerise. The following materials may react with the product: Acids. Alkalis.Organic nitro compounds. Amines. Oxidising agents. Reducing agents. Moisture. Peroxides. Contact with acids liberates toxic gas. Under normal conditions of sorage and use, no hazardous reactions will occur.t

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

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No substances are listed in the national list of substances with an occupational exposure limit.

VDNEL

Adipic acid			
Duration:	Route of exposure:	DNEL:	
Long term – Systemic effects - General population	Dermal	7.5 mg/kg bw/day	
Long term – Systemic effects - Workers	Dermal	21 mg/kg bw/day	
Long term – Systemic effects - General population	Inhalation	13 mg/m ³	
Long term – Systemic effects - Workers	Inhalation	74.1 mg/m ³	
Long term – Systemic effects - General population	Oral	7.5 mg/kg bw/day	

Sodium carbonate

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	5 mg/m³
Long term – Local effects - Workers	Inhalation	10 mg/m ³

Troclosene sodium

Duration:	Route of exposure:	DNEL:



Long term – Systemic effects - General population	Dermal	1.15 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	2.3 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	1.99 mg/m ³
Long term – Systemic effects - Workers	Inhalation	8.11 mg/m ³
Long term – Systemic effects - General population	Oral	1.15 mg/kg bw/day

▼ PNEC

Adipic acid		
Route of exposure:	Duration of Exposure:	PNEC:
Freshwater	Continuous	126 µg/L
Freshwater sediment	Continuous	474 µg/kg
Intermittent release (freshwater)	Continuous	460 µg/L
Marine water	Continuous	12.6 µg/L
Marine water sediment	Continuous	47.4 µg/kg
Soil	Continuous	20.8 µg/kg

Troclosene sodium

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater	Continuous	170 ng/L
Freshwater sediment	Continuous	7.56 mg/kg
Intermittent release (freshwater)	Continuous	1.7 µg/L
Marine water	Continuous	1.52 mg/L
Sewage treatment plant	Continuous	590 µg/L
Soil	Continuous	756 µg/kg

8.2. ▼ Exposure controls Apply general control to

Apply general control to prevent unnecessary exposure				
General recommendations:	Smoking, drinking and consumption of food is not allowed in the work area.			
Exposure scenarios:	There are no exposure scenarios implemented for this product.			
Exposure limits:	Occupational exposure limits have not been defined for the substances in this product.			
Appropriate technical measures:	Apply standard precautions during use of the product. Avoid inhalation of gas or dust.			
▼ Hygiene measures:	In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.			
Measures to avoid environmental exposure:	Keep damming materials near the workplace. If possible, collect spillage during work. Keep container tightly sealed when not in use.			

Individual protection measures, such as personal protective equipment

Generally:

Use only UKCA marked protective



equipment.

Respiratory Equipment:

Туре	Class	Colour	Standards	
No specific requirements				

Skin protection:

Recommended	Type/Category	Standards	
Standard fabric garments (e.g. cotton overcoat or apron). However, in a professional setting, an in-use risk assessment should determine what is suitable.		As determined in an in-use risk assessment for professional use.	R

Hand protection:

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.	through individual	type specified	As specified for glove type specified through individual use risk assessment	

Eye protection:

Туре	Standards	
Chemical splash goggles or face shield, if an in-use risk assessment specifies it is necessary	As determined by specific, an in-use risk assessment. Under normal domestic and professional use, standard safety spectacles are adequate.	E

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:	Tablets
Colour:	White
Odour / Odour threshold:	Chlorine
▼ <i>pH</i> :	-
pH in solution:	5 - 7 @ (1%)
Density (g/cm³):	1.4
Kinematic viscosity:	Not applicable
Particle characteristics:	Not applicable
Phase changes	
Melting point/Freezing point (°C):	Not applicable



	Softening point/range (°C):	Does not apply to solids.
	Boiling point (°C):	Not applicable
	Vapour pressure:	Not applicable
	▼ Relative vapour density:	Not applicable
	Decomposition temperature (°C):	Not applicable
Data	on fire and explosion hazards	
	Flash point (°C):	Not applicable
	Flammability (°C):	Not applicable
	Auto-ignition temperature (°C):	Not applicable
	Lower and upper explosion limit (% v/v):	Not applicable
Solub	ility	
	Solubility in water:	Completely soluble
	n-octanol/water coefficient (LogKow):	Not applicable
	Solubility in fat (g/L):	Not applicable
9.2.	Other information	
	Evaporation rate (n-butylacetate = 100):	Not applicable
	▼ Oxidizing properties:	Not applicable
	Other physical and chemical parameters:	No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Contact with acids liberates toxic gas. Warning! Do not use in combination with other products. May release dangerous gases (chlorine).

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

Contact with acids liberates toxic gas. The following materials may react with the product: Alkalis. Organic nitro compounds. Amines. Oxidising agents. Reducing agents. Moisture. Peroxides. Under normal conditions of storage and use, no hazardous reactions will occur.

10.4. Conditions to avoid

Avoid the following conditions: Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Flammable/combustible materials. Moisture. Avoid contact with acids and alkalis. Avoid contact with strong oxidising agents. Avoid contact with strong reducing agents. Hydrocarbons. Inorganic nitrates. Inorganic nitrites. Organic compounds.

10.6. **v** Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced

Heating may generate the following products: Carbon monoxide (CO). Oxides of nitrogen. Hydrogen chloride (HCl). Isocyanates. Chlorine.



SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

Acute toxicity

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

Skin corrosion/irritation

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

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory sensitisation

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

Skin sensitisation

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

Germ cell mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

STOT-single exposure

May cause respiratory irritation.

STOT-repeated exposure

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

Aspiration hazard

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

11.2. Information on other hazards

Long term effects

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

▼ Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. ▼Toxicity

Product/substance	Troclosene sodium
Species:	Fish, Oncorhynchus mykiss
Duration:	96 hours
Test:	LC50
Result:	0,38 mg/L



Product/substance	Troclosene sodium
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	< 1mg NaDCC mg/L

Very toxic to aquatic life with long lasting effects.

12.2. ▼ Persistence and degradability

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

12.3. ▼ Bioaccumulative potential

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

12.4. Mobility in soil No data available.

12.5. ▼ Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. ▼ Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

SECTION 13: DISPOSAL CONSIDERATIONS

▼ Waste treatment methods

Product is covered by the regulations on hazardous waste. (*)

HP 4 - Irritant (skin irritation and eye damage)

HP 5 - Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

HP 6 - Acute toxicity

HP 12 – Release of an acute toxic gas

HP 14 – Ecotoxic

Dispose of contents/container to an approved waste disposal plant.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

EWC code

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

▼ Specific labelling

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION



	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other informat ion:
ADR	UN3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Troclosene sodium)	Transport hazard class: 9 Label: 9 Classification code: M7	III	Yes	Limited quantitie s: 5 kg Tunnel restrictio n code: (-) See below for additiona l informati on.
IMDG	UN3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Troclosene sodium)	Transport hazard class: 9 Label: 9 Classification code: M7	III	Yes	Limited quantitie s: 5 kg EmS: F-A S-F See below for additiona I informati on.
ΙΑΤΑ	UN3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Troclosene sodium)	Transport hazard class: 9 Label: 9 Classification code: M7	III	Yes	See below for additiona l informati on.

* Packing group

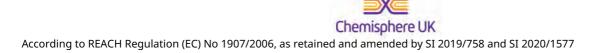
** Environmental hazards

Additional information

This product is within scope of the regulations of transport of dangerous goods. These substances when carried in single or combination packaging's containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids, are not subject to any other provisions of ADR/IMDG/IATA provided the packaging's meet the general provisions of 4.1.1.1, 4.1.1.2, 4.1.1.4 - 4.1.1.8 (ADR, IMDG) / 5.0.2.4.1, 5.0.2.6.1.1, 5.0.2.8 (IATA).

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ADR / See Table A, section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport. IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings



in connection with transport. IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport. Hazchem Code: 2Z

- **14.6.** Special precautions for user Not applicable.
- **14.7.** Maritime transport in bulk according to IMO instruments No data available.

SECTION 15: REGULATORY INFORMATION

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

or mixture	
Restrictions for application:	No special.
Demands for specific education:	No specific requirements.
Control of Major Accident Hazards (COMAH) - Categories / dangerous substances:	E1 - ENVIRONMENTAL HAZARDS, Qualifying quantity (lower-tier): 100 tonnes / (upper- tier): 200 tonnes
Biocidal Products Regulations:	Product type: PT5 - Drinking water
Restrictions on use:	-
Directions for use and dose rate:	-
Additional information:	-
Additional information:	Not applicable.
Sources:	Control of Major Accident Hazards (COMAH) Regulations 2015. In accordance with Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products as retained and amended in UK law. Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law. Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law. Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.
Chemical safety assessment	

15.2. Chemical safety assessment No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

EUH031, Contact with acids liberates toxic gas. H272, May intensify fire; oxidiser. H302, Harmful if swallowed.



H319, Causes serious eye irritation. H335, May cause respiratory irritation. H400, Very toxic to aquatic life. H410, Very toxic to aquatic life with long lasting effects. The full text of identified uses as mentioned in section 1 PC 8 = Biocidal Products (e.g. Disinfectants, pest control) Abbreviations and acronyms ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor CAS = Chemical Abstracts Service CE = Conformité Européenne (European conformity) CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] CSA = Chemical Safety Assessment CSR = Chemical Safety Report DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EINECS = European Inventory of Existing Commercial chemical Substances ES = Exposure Scenario EUH statement = CLP-specific Hazard statement EuPCS = European Product Categorisation System EWC = European Waste Catalogue GHS = Globally Harmonized System of Classification and Labelling of Chemicals GWP = Global warming potential IARC = International Agency for Research on Cancer (IARC) IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) OECD = Organisation for Economic Co-operation and Development PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail RRN = REACH Registration Number SCL = A specific concentration limit SVHC = Substances of Very High Concern STOT-RE = Specific Target Organ Toxicity - Repeated Exposure STOT-SE = Specific Target Organ Toxicity - Single Exposure TWA = Time weighted average UN = United Nations UVBC = Unknown or variable composition, complex reaction products or of biological materials VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as



retained and amended in UK law.

The safety data sheet is validated by

Magdalena Zakrzewska - Quality & Compliance Manager

Other

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/herself as to the suitability of such information for his/her own particular use Country-language: GB-en