

## SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier**Product name** CITRA-CLEAN**Product type** Liquid1.2 Relevant identified uses of the substance or mixture**PRODUCT USE** Industrial uses: Uses of substances as such or in preparations at Industrial sites;(PC35) Washing and cleaning products**Description** Orange cleaner and degreaser concentrate1.3 Details of the supplier of the safety data sheet

**Supplier** Spectrum industrial limited  
Bedesway  
Bede industrial estate  
Jarrow  
Tyne & Wear  
NE32 3EG  
Tel 0191 4301111

**Email address** [sales@spectrum-ind.co.uk](mailto:sales@spectrum-ind.co.uk)

1.4 Emergency telephone number 0191 4301111 (9.00am – 5pm Mon-Fri)

## SECTION 2 : HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Classification (67/548/EEC) Not Classified

2.1.2 Classification –EC 1272/2008 Skin Sens. 1B:H317;Eye Irrit 2: H319;Aquatic chronic H412

2.2 Label elements

Hazard pictograms



Signal Word	Warning
Hazard Statement	Skin Sens. 1B: H317- May cause an allergic skin reaction. Eye Irrit 2: H319 – Causes serious eye irritation Aquatic chronic 3: H412- Harmful to aquatic life with long lasting effects
Precautionary Statement: Prevention	P102 – Keep out of reach of children P273 – Avoid release to the environment P280 – Wear protective gloves/protective clothing/eye protection/face protection P501 – Dispose of contents/container as normal industrial waste in accordance with all Local or national regulations
Precautionary Statement: Response	P301+P310 – IF SWALLOWED: Immediately call a Poison centre or doctor/phycsian P302+P352 – IF ON SKIN: Wash with plenty soap and water P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove Contact lenses, if present and easy to do. Continue rinsing P333+P313 – If skin irritation or rash occurs get medical advice/attention P337+P313 – If eye irritation persists get medical advice/attention

## Revision 03

2.3 Other hazards

This product does not contain any PBT or vPvB substances

Supplemental label  
Information  
Contains Orange Terpenes

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substances

67/548/EEC / 1999/45/EC

Chemical name	Index No	Cas No	EC No	REACH Registration Number	Conc (%w/w)	Classification
2-(2-Butoxyethoxy)Ethanol	603-096-00-8	112-34-5	203-961-6	01-2119475104-44	5-10%	Xi;R36
C13-15 Alcohol Ethoxylate		68131-39-5			1-5 %	Xn; R22 Xi; R41;R50
Orange Terpenes		8028-48-6	232-433-8		1- 5%	Xn; R65;Xi;R38.N;R50/53; R10;R43
2-Aminoethanol	603-030-00-8	141-43-5	205-483-3	01-2119486455-28	0-2%	C;R34.Xn;R20/21/22:R37

EC 1272/2008

Chemical name	Index No	Cas No	EC No	REACH Registration Number	Conc (%w/w)	Classification
2-(2-Butoxyethoxy)Ethanol	603-096-00-8	112-34-5	203-961-6	01-2119475104-44	5-10%	Eye Irrit. 2 – H319
C13-15 Alcohol Ethoxylate		68131-39-5			1- 5%	Acute Tox.4:H302; Eye Dam.1:H318; Aquatic acute 1: H400
Orange Terpenes Chlorides		8028-48-6	232-433-8		1-5%	Flam.Liq.3 –H226 Asp.Tox.1 – H304 Skin Irrit. 2-H315 Skin Sens.1-H317 Aquatic acute 1:H400 Aquatic Chronic1-H410
2-Aminoethanol	603-030-00-8	141-43-5	205-483-3	01-2119486455-28	0-2%	Acute Tox. 4-H302 Acute Tox.4 –H312 Acute Tox.4 –H332 Skin Corr.1B – H314 STOT SE 3 – H335

**SECTION 4 : FIRST AID MEASURES**4.1 Description Of first aid measures**Inhalation**

Not relevant. Inhalation unlikely. In case of inhalation of spray mist. Move the exposed person to fresh air and keep at rest. Seek medical advice if symptoms persist

**Ingestion**

DO NOT INDUCE VOMITING. If swallowed seek medical advice immediately and show this container or label.

**Skin contact**

Wash with soap and water

**Eye contact**

Immediately flush with plenty of water for up to 15 minutes. Get medical attention if irritation persists.

4.2 Most important symptoms and effects, both acute and delayed

Revision 03

**Inhalation**

No specific symptoms noted

**Ingestion**

May cause discomfort if swallowed

**Skin contact**

Prolonged or repeated contact can cause irritation

**Eye contact**

Contact with liquid can cause serious eye irritation

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

Treat Symptomatically

**SECTION 5: FIREFIGHTING MEASURES****5.1 Extinguishing media**

This product is not flammable. Use fire-extinguishing media appropriate to surrounding materials

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

When heated and in case of fire, harmful vapours/gases may be formed

**5.3 Advice for fire-fighters****Protective equipment for fire-fighters**

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Wear suitable protective equipment.

**6.2 Environmental precautions**

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate body.

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

Absorb spillage in vermiculite, dry sand or earth and place into containers for disposal. Flush with plenty of water to clean spillage area.

**6.4 Reference to other sections**

For personal protection see section 8. Collect and dispose of spillage as indicated in section 13

**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling**

Wear suitable protective clothing, gloves and eye/face protection

**7.2 Conditions for safe storage, including any incompatibilities**

Store in tightly closed original container in a dry, cool and well-ventilated area.

**7.3 Specific end use(s)**

The identified uses for this product are detailed in section 1.2

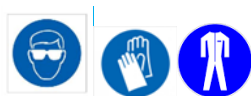
**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters**

NAME	STD	TWA-8 Hrs	STEL-15 Min	Notes
2-(2-Butoxyethoxy)Ethanol	WEL	10 ppm 67.5 mg/m <sup>3</sup>	15 ppm 101.2 mg/m <sup>3</sup>	
2-Aminoethanol	WEL	1ppm 2.5mg/m <sup>3</sup>	3ppm 7.6 mg/m <sup>3</sup>	Sk

WEL = Workplace exposure limit

Sk = Can be absorbed through skin.

## 8.2 Exposure controls



### 8.2.1 Appropriate engineering Controls

Ensure adequate ventilation of the working area.

### 8.2.2 Individual Protection Measures

Eye / face protection  
Hand protection

Wear protective clothing in case of splashing

Wear approved safety goggles  
Chemical resistant gloves (PVC).

Respiratory protection

Not normally required but if ventilation is insufficient respiratory protection  
Must be provided

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>State</b>	Liquid
<b>Colour</b>	Pink/Orange
<b>Odour</b>	Pleasant
<b>Solubility</b>	Soluble in water
<b>pH-value</b>	9 - 11
<b>Flash point</b>	Boils without flashing
<b>Relative density</b>	1.00 – 1.10 (water = 1 @ 20 C)

### 9.2 Other information

None

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

No specific reactivity hazards associated with this product

### 10.2 Chemical stability

Stable under normal temperature conditions

### 10.3 Possibility of hazardous reactions

Not determined

### 10.4 conditions to avoid

There are no known conditions that are likely to result in a hazardous situation

### 10.5 Incompatible materials

#### Materials to avoid

No incompatible groups noted

### 10.6 Hazardous decomposition products

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

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

2-(2-Butoxyethoxy)Ethanol

Oral rat LD50 6600 mg/kg

## Revision 03

C13-C15 Alcohol Ethoxylate

Orange terpenes

2-Aminoethanol

Oral rat LD50 2000mg/kg

Oral rat LD50 &gt;5000 mg/kg

Oral rat LD50 1515 mg/kg – Dermal Rabbit LD50 2504 mg/kg

**SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity**

2-(2-Butoxyethoxy)Ethanol

Daphnia EC50/48h: &gt;1000 mg/l

Fish LC50/96h 2700 mg/l

C13-C15 Alcohol Ethoxylate

Daphnia EC50/48h: 1 mg/l

Fish LC50/ 96h 10mg/l

Orange Terpenes

Very toxic to aquatic organisms

Daphnia EC50/48h: &lt;1.0 mg/l

2-Aminoethanol

Daphnia EC50/48h: 65 mg/l

Fish LC50/96h 349 mg/l

**12.2 Persistence and degradability**

The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) no 684/2004 on detergents.

**12.3 Bioaccumulative potential**

Not expected to be bioaccumulating

**12.4 Mobility in soil**

Soluble in water

**12.5 Results of PBT and vPvB assessment**

This product does not contain any PBT or vPvB substances

**12.6 Other adverse effects**

Not known

**SECTION 13: DISPOSAL CONSIDERATIONS****General information**

Dispose of as normal industrial waste in accordance with all local and national regulations.

**13.1 Waste treatment methods**

Discharge used solutions to drain. Less than 5 litres of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal by approved waste contractor. Consign empty container to normal waste

**SECTION 14: TRANSPORT INFORMATION****General**

Not classified for Transport

**14.1 UN number****14.2 UN proper shipping name****14.3 Transport hazard class(es)**

Revision 03

14.4 Packing group14.5 Environmental hazards14.6 Special precautions for user14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code**SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Safety data sheet prepared in accordance with REACH commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). The product is classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances and mixtures. Ingredients are listed with classification under both CHIP-Directive 67/548/EEC classification, packaging & labelling of dangerous substances & GHS/CLP – Regulations (EC) no 1272/2008 classification, labelling & packaging of substances & mixtures.

15.2 Chemical Safety Assessment

Not applicable this product is a mixture

**SECTION 16: OTHER INFORMATION**

## Other information

The Risk phrases / Hazard statements listed below in this section No 16 relate to the Raw Materials (ingredients) in the product (as listed in section 3) and Not the product itself. For the risk phrases/hazard statements relating to this product see section 2.

## Text of risk phrases in section 3

R10	Flammable
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R22	Harmful if swallowed
R36	Irritating to eyes
R34	Causes Burns
R37	Irritating to respiratory system
R38	Irritating to skin
R41	Risk of serious damage to eyes
R43	May cause sensitisation by skin contact.
R50	Very toxic to aquatic organisms
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65	Harmful: may cause lung damage if swallowed.

## Text of hazard statements in section 3

H226	Flammable liquid and vapour
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
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

## Revision 03

### Further information

The information supplied in this data sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication; however no guarantee is made to its accuracy. 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 other process.