



# SAFETY DATA SHEET

## Eco Concentrate GREEN ZONE

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

#### 1.1. Product identifier

Product name                      Eco Concentrate GREEN ZONE  
 Product No.                        A041 EV  
 Internal Id                         Janitorial - Super Concentrates Section

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

Identified uses                      Concentrated Alkaline Heavy Duty Cleaner & Floor Maintainer.

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

Supplier                                Evans Vanodine International  
     Brierley Road  
     Walton Summit  
     Preston. PR5 8AH  
     Tel: 01772 322 200  
     Fax: 01772 626 000  
     qclab@evansvanodine.co.uk

#### 1.4. Emergency telephone number

New Safety Data Sheets - 8.30am to 4.45pm - 01772 322 200 - Mon to Fri      Technical Advice      -  
 8.30am to 4.45pm - 01772 318 818 - Mon to Fri

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification (1999/45/EEC)    Xi;R36.

#### 2.2. Label elements

##### Labelling



Irritant

##### Risk Phrases

R36                                      Irritating to eyes.

##### Safety Phrases

S25                                      Avoid contact with eyes.  
 S26                                      In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S2                                        Keep out of the reach of children.  
 S46                                      If swallowed, seek medical advice immediately and show this container or label.

#### 2.3. Other hazards

This product does not contain any PBT or vPvB substances.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

# Eco Concentrate GREEN ZONE

<b>ALCOHOL (C9-C11) ETHOXYLATE (6EO)</b>		<b>5-10%</b>
<b>CAS-No.: 68439-45-2</b>	<b>EC No.:</b>	
Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Dam. 1 - H318	Classification (67/548/EEC) Xn;R22. Xi;R41.	
<b>C8-14 ALCOHOL ETHOXYLATE ALKOXYLATE</b>		<b>5-10%</b>
<b>CAS-No.:</b>	<b>EC No.:</b>	
Classification (EC 1272/2008) Acute Tox. 4 - H302	Classification (67/548/EEC) Xn;R22.	
<b>2-AMINOETHANOL</b>		<b>1-5%</b>
<b>CAS-No.: 141-43-5</b>	<b>EC No.: 205-483-3</b>	<b>Registration Number: 01-2119486455-28</b>
Classification (EC 1272/2008) Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Corr. 1B - H314 STOT SE 3 - H335	Classification (67/548/EEC) C;R34 Xn;R20/21/22	
<b>ALLYL HEPTANOATE</b>		<b>0-1%</b>
<b>CAS-No.: 142-19-8</b>	<b>EC No.: 205-527-1</b>	
Classification (EC 1272/2008) Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) Xn;R21/22. Xi;R36/38. N;R50/53.	
<b>GAMMA UNDECALACTONE</b>		<b>0-1%</b>
<b>CAS-No.: 104-67-6</b>	<b>EC No.: 203-225-4</b>	
Classification (EC 1272/2008) Aquatic Chronic 2 - H411	Classification (67/548/EEC) N;R51/53.	
<b>2-t-BUTYL CYCLO HEXYL ACETATE</b>		<b>0-1%</b>
<b>CAS-No.: 88-41-5</b>	<b>EC No.: 201-828-7</b>	
Classification (EC 1272/2008) Aquatic Chronic 2 - H411	Classification (67/548/EEC) N;R51/53.	

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<b>BETA-IONONE</b>		<b>0-1%</b>
<b>CAS-No.: 14901-07-6</b>	<b>EC No.: 238-969-9</b>	
Classification (EC 1272/2008) Aquatic Chronic 2 - H411	Classification (67/548/EEC) N;R51/53.	

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

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### **Inhalation**

Not relevant Inhalation unlikely.

#### **Ingestion**

DO NOT INDUCE VOMITING! Drink a few glasses of water or milk. Get medical attention.

#### **Skin contact**

Wash skin with soap and water.

#### **Eye contact**

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

#### **General information**

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

#### **Inhalation.**

No specific symptoms noted.

#### **Ingestion**

May cause discomfort if swallowed.

#### **Skin contact**

No specific symptoms noted. But prolonged or excessively repeated skin contact could lead to removal of natural oils from skin.

#### **Eye contact**

May cause temporary eye irritation. Prolonged contact may cause redness and/or tearing.

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

Treat Symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### **Extinguishing media**

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

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

#### **Specific hazards**

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

### 5.3. Advice for firefighters

#### **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

Avoid contact with eyes.

### 6.2. Environmental precautions

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

# Eco Concentrate GREEN ZONE

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

Small quantities may be flushed to drains with plenty of water. Large Spillages: Pick up with vacuum or absorbent solid, store in closed container for disposal.

## 6.4. Reference to other sections

For personal protection, see section 8.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Avoid contact with eyes.

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

Store at moderate temperatures in dry, well ventilated area. Keep in original container. Store away from: Oxidising material.

### 7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

#### **Usage Description**

See Product Information Sheet & Label for detailed use of this product.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
2-AMINOETHANOL	WEL	1 ppm	2,5 mg/m <sup>3</sup>	3 ppm	7,6 mg/m <sup>3</sup>	Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

#### **Ingredient Comments**

STEL= Short-Term Exposure Limit (15 minute) & TWA = Time Weighted Average (8 hours).

### 8.2. Exposure controls

#### **Engineering measures**

Not applicable.

#### **Respiratory equipment**

Respiratory protection not required.

#### **Hand protection**

No specific hand protection noted, but protection for the skin is advisable to prevent removal of natural oils from skin.

#### **Eye protection**

Eye protection recommended.

#### **Other Protection**

None required.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance	Clear liquid.
Colour	Dark. Green.
Odour	Peach
Solubility	Soluble in water.
Initial boiling point and boiling range	100
Melting point (°C)	-1
Relative density	1.004 @ 20 ° C
pH-Value, Conc. Solution	11.05
Flash point	Boils without flashing

### 9.2. Other information

# Eco Concentrate GREEN ZONE

None.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No specific reactivity hazards associated with this product.

### 10.2. Chemical stability

No particular stability concerns.

### 10.3. Possibility of hazardous reactions

See sections 10.1, 10.4 & 10.5

### 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

No hazardous decomposition products.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### **Toxicological information**

We have not carried out any animal testing, therefore we have no Toxicological Data specifically for this product.

The Toxicological Data, where provided by the raw material manufacturer, can be made available on request.

#### **Other Health Effects**

Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract.

## SECTION 12: ECOLOGICAL INFORMATION

#### **Ecotoxicity**

Not regarded as dangerous for the environment.

### 12.1. Toxicity

We have not carried out any Aquatic testing, therefore we have no Aquatic Toxicity Data specifically for this product. The Aquatic Toxicity Data, where provided by the raw material manufacturer for ingredients with aquatic toxicity, can be made available on request.

### 12.2. Persistence and degradability

#### **Degradability**

Surfactant is readily broken down by effluent treatment process.

### 12.3. Bioaccumulative potential

#### **Bioaccumulative potential**

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

### 12.4. Mobility in soil

#### **Mobility:**

Not known.

### 12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

### 12.6. Other adverse effects

## SECTION 13: DISPOSAL CONSIDERATIONS

# Eco Concentrate GREEN ZONE

## 13.1. Waste treatment methods

Discharge used solutions to drain. Small amounts (less than 5 Litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal as special waste. Rinse out empty container with water and consign 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)

### 14.4. Packing group

### 14.5. Environmental hazards

### 14.6. Special precautions for user

### 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

#### **Guidance Notes**

Workplace Exposure Limits EH40.

#### **EU Legislation**

Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). The product is as classified under CHIP Directive 1999/45/EEC Classification, Packaging & Labelling of Dangerous Preparations. Ingredients are listed with classification under both CHIP - Directive 67/548/EEC - classification, packaging & labelling of dangerous substances & GHS/CLP-Regulation (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

#### **Information Sources**

Material Safety Data Sheet, Misc. manufacturers. CLP Class - Table 3.1 List of harmonised classification and labelling of hazardous substances. CHIP Class - Table 3.2 The list of harmonised classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC.

#### **Revision Comments**

New Format Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). - No change in Product Classification - Main change is the move of Labelling elements from Section 15 to Section 2 & Section 3 now has a different layout for the Ingredients and lists their classification in both CHIP & CLP format.

**Revision Date** 01/10/12

**Revision** Issue 2

**Safety Data Sheet Status** 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.

# Eco Concentrate GREEN ZONE

## Risk Phrases In Full

R34	Causes burns.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R22	Harmful if swallowed.
R21/22	Harmful in contact with skin and if swallowed.
R36/38	Irritating to eyes and skin.
R36	Irritating to eyes.
R37	Irritating to respiratory system.
R41	Risk of serious damage to eyes.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## Hazard Statements In Full

H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H332	Harmful if inhaled.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H335	May cause respiratory irritation.
H411	Toxic to aquatic life with long lasting effects.
H410	Very toxic to aquatic life with long lasting effects.
H400	Very toxic to aquatic life.