



SAFETY DATA SHEET

e:dose - EC2 DEGREASER (yellow zone eco concentrate)

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

1.1. Product identifier

Product name	e:dose - EC2 DEGREASER (yellow zone eco concentrate)
Product number	A107 EV
Internal identification	Janitorial

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

Identified uses	Super concentrated degreaser. - For use in Evans e:dose system. Suitable for use in the food Industry.
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1.3. Details of the supplier of the safety data sheet

Supplier	UK Supplier: Evans Vanodine International plc Brierley Road, Walton Summit, Preston. UK. PR5 8AH Tel: 01772 322 200 e-mail: productcompliance@evansvanodine.co.uk	EU Supplier: Evans Vanodine Europe 6-9 Trinity Street, Dublin 2. D02 EY47. Republic of Ireland.
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1.4. Emergency telephone number

Emergency telephone	New Safety Data Sheets - 01772 322 200 - Mon to Thur. 8.30am to 4.30pm - Fri 8.30am to 1.30pm (Also available 24/7 from our website www.evansvanodine.co.uk) For Technical Advice about this SDS - 01772 318 818 - Mon to Thur 8.30am to 4.45pm - Fri 8.30am to 1.30pm
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National emergency telephone number	For Health Care Professionals only - For use in UK: Contact the National Poisons Information Service for further advice. For use in the Republic of Ireland: To report a poisoning incident contact The National Poisons Information Centre, Beaumont Hospital, Dublin (01-8092166). For use in Malta: Emergency services (Ambulance, Fire and Rescue, Police) : 112
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards	Not Classified
Health hazards	Eye Dam. 1 - H318
Environmental hazards	Not Classified

2.2. Label elements

Hazard pictograms



Signal word	Danger
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Hazard statements	H318 Causes serious eye damage.
Precautionary statements	P102 Keep out of reach of children. P280 Wear eye protection. P301 IF SWALLOWED: P313 Get medical advice/ attention. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P315 Get immediate medical advice/ attention. P501 Dispose of contents/ container in accordance with local regulations.
Contains	COCAMIDOPROPYL BETAINE

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**

COCAMIDOPROPYL BETAINE	5-10%
CAS number: 61789-40-0	EC number: 931-296-8
	REACH registration number: 01-2119488533-30-0001
Spec Conc Limits :- Eye Dam. 1 (H318) >10%, Eye Irrit. 2 (H319) >4% <=10%	
Classification	
Eye Dam. 1 - H318	
Aquatic Chronic 3 - H412	
SODIUM (C12-14) ALKYL ETHOXY SULPHATE	5-10%
CAS number: 68891-38-3	EC number: 500-234-8
	REACH registration number: 01-2119488639-16-0020
Spec Conc Limits :- Eye Dam. 1 (H318) >=30%, Eye Irrit. 2 (H319) >10% <30%, NC (Not Classified) <=10%	
Classification	
Skin Irrit. 2 - H315	
Eye Dam. 1 - H318	
Aquatic Chronic 3 - H412	
ALCOHOL (C9-11) ETHOXYLATE	5-10%
CAS number: 68439-46-3	
Alternative CAS Nos 160875-66-1, 68439-45-2	
Classification	
Acute Tox. 4 - H302	
Eye Dam. 1 - H318	

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BRONOPOL (INN)			1-3%
CAS number: 52-51-7	EC number: 200-143-0	REACH registration number: 01-2119980938-15-0000	
M factor (Acute) = 10			
Classification			
Acute Tox. 3 - H301			
Acute Tox. 4 - H312			
Acute Tox. 3 - H331			
Skin Irrit. 2 - H315			
Eye Dam. 1 - H318			
STOT SE 3 - H335			
Aquatic Acute 1 - H400			
Aquatic Chronic 2 - H411			

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	Unlikely route of exposure as the product does not contain volatile substances. If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Ingestion	Do not induce vomiting. Give plenty of water to drink. Get medical attention.
Skin contact	Wash with plenty of water.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse. Get medical attention immediately.

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

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	No specific symptoms known.
Ingestion	No specific symptoms known. But - May cause discomfort if swallowed.
Skin contact	No specific symptoms known. But prolonged or excessively repeated skin contact could lead to removal of natural oils from skin.
Eye contact	Severe irritation, burning and tearing. Prolonged contact causes serious eye and tissue damage.

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

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Thermal decomposition or combustion products may include the following substances: Irritating gases or vapours.

5.3. Advice for firefighters

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Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear eye and face protection. For personal protection, see Section 8.

6.2. Environmental precautions

Environmental precautions Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Small Spillages: Flush away spillage with plenty of water. Large Spillages: Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Wear eye protection.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store at moderate temperatures in dry, well ventilated area. Keep only in the original container. Store away from the following materials: Oxidising materials.

7.3. Specific end use(s)

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

Ingredient comments No exposure limits known for ingredient(s).

8.2. Exposure controls

Protective equipment



Appropriate engineering controls Not applicable.

Eye/face protection Wear eye protection.

Hand protection No specific hand protection recommended. For prolonged or repeated skin contact use suitable protective gloves.

Other skin and body protection None required.

Respiratory protection Respiratory protection not required.

e:dose - EC2 DEGREASER (yellow zone eco concentrate)**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Appearance	Clear liquid.
Colour	Yellow.
Odour	Detergent.
pH	pH (concentrated solution): 6.00
Melting point	-1°C
Initial boiling point and range	100°C @ 760 mm Hg
Flash point	Boils without flashing.
Relative density	1.026 @ 20°C
Solubility(ies)	Soluble in water.

9.2. Other information

Other information	None.
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SECTION 10: Stability and reactivity**10.1. Reactivity**

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability	No particular stability concerns.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	See sections 10.1,10.4 & 10.5
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10.4. Conditions to avoid

Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.
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10.5. Incompatible materials

Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
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10.6. Hazardous decomposition products

Hazardous decomposition products	No known hazardous decomposition products.
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SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Toxicological effects	We have not carried out any animal testing for this product. Any ATE figures quoted below are from Toxicity Classifications that have been carried out using ATE (Acute Toxicity Estimate) Calculation Method using LD50 or ATE figures provided by the Raw Material Manufacturer.
Other health effects	Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract.
Acute toxicity - oral	
Notes (oral LD₅₀)	Based on available data the classification criteria are not met.
ATE oral (mg/kg)	4,564.73

e:dose - EC2 DEGREASER (yellow zone eco concentrate)**Acute toxicity - dermal**

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

ATE dermal (mg/kg) 92,685.28

Acute toxicity - inhalation

ATE inhalation (dusts/mists mg/l) 42.13

SECTION 12: Ecological information

Ecotoxicity Not regarded as dangerous for the environment.

12.1. Toxicity

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

Persistence and degradability The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. and UK Regulation: SI 2020 No. 1617 "The Detergents (Amendment) (EU Exit) Regulations 2020".

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

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 Not known.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Disposal 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

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not regulated.

14.4. Packing group

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Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

**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****EU legislation**

Safety Data Sheet prepared in accordance with EU Regulation: "REACH Commission Regulation (EU) No 2015/830 (which amends Regulation (EC) No 453/2010 & 1907/2006)." and UK Regulation: "SI 2020 No. 1577 - The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020".

The product is as classified under - EU GHS: CLP - "Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures." and UK GHS: "SI 2020 No. 1567 - The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020".

Ingredients are listed with classification under - EU GHS: CLP - "Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures." and UK GHS: "SI 2020 No. 1567 - The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020".

15.2. Chemical safety assessment

No chemical safety assessment has been carried out as not applicable as this product is a mixture.

SECTION 16: Other information**Abbreviations and acronyms used in the safety data sheet**

PBT: Persistent, Bioaccumulative and Toxic substance.
vPvB: Very Persistent and Very Bioaccumulative.
ATE: Acute Toxicity Estimate.
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.
GHS: Globally Harmonized System.
Spec Conc Limits = Specific Concentration Limits.

Classification abbreviations and acronyms

Acute Tox. = Acute toxicity
Aquatic Acute = Hazardous to the aquatic environment (acute)
Aquatic Chronic = Hazardous to the aquatic environment (chronic)
Eye Dam. = Serious eye damage
Skin Irrit. = Skin irritation
STOT SE = Specific target organ toxicity-single exposure

Key literature references and sources for data

Material Safety Data Sheet, Miscellaneous manufacturers. CLP Class - Table 3.1 List of harmonised classification and labelling of hazardous substances. ECHA - C&L Inventory database.

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Classification procedures according to Regulation (EC) 1272/2008	Calculation Method.
Revision comments	SDS re-issued after a 3 year old SDS Review.
Revision date	01/11/2021
Revision	5
SDS status	The 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 Hazard Statements relating to this Product see Section 2.
Hazard statements in full	H301 Toxic if swallowed. H302 Harmful if swallowed. H312 Harmful in contact with skin. H315 Causes skin irritation. H318 Causes serious eye damage. H331 Toxic if inhaled. H335 May cause respiratory irritation. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.