

our safety data sheet for...

heavy duty degreaser



DELPHIS*

*eco PROFESSIONAL CLEANING

1. Identification of the substance/mixture & of the company/undertaking

1.1 Product Identifier

Product Name: Heavy Duty Degreaser
Product Code: DGR050DEL01C (concentrate)

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

Use of the Substance/Mixture: Hard surface cleaner.
Recommended restrictions on use: We do not have information on restrictions. They will be included when available.

1.3 Details of the supplier of the safety data sheet

Company: Delphis Eco, Unit 1, River Reach, Gartons Way, London SW11 3SX

1.4 Emergency telephone number

Emergency phone number: t. 0203 397 0096 (office hours only) f. 0870 974 7219 e: sales@delphiseco.com

2. Hazards Identification

2.1 Classification of the substance or mixture

Classification under CLP: Eye Dam. 1: H318; Skin Irrit. 2: H315
Most important adverse effects: Irritating to eyes.

2.2 Label elements

Label elements under CLP:

Hazard statements: H315: Causes skin irritation.
H318: Causes serious eye damage.
Signal words: Danger
Hazard pictograms: GHS05: Corrosion
Precautionary statements: P264: Wash skin thoroughly after handling.
P332+313: If skin irritation occurs: Get medical advice/attention.
P280: Wear protective gloves/eye protection.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTRE or doctor.
P362: Take off contaminated clothing and wash before reuse.



2.3 Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

3. Composition/Information on Ingredients

3.2 Mixtures

Ingredient Name	EINECS	CAS	CLP Classification	Percent
(2-METHOXYMETHYLETHOXY) PROPANOL (REACH registered number(s): 01-2119450011-60)	252-104-2	34590-94-8	-	5-10%
AMIDES, C8-18 (EVEN NUMBERED) AND C18-UNSATD., N,N-BIS(HYDROXYETHYL)	931-329-6	68155-07-7	Eye Dam. 1: H318; Skin Irrit. 2: H315	1-5%
ISOTRIDECANOL ETHOXYLATED	-	24938-91-8	Eye Dam. 1: H318; Acute Tox. 4: H302	1-5%
2-AMINOETHANOL (REACH registered number(s): 01-2119486455-28)	205-483-3	141-43-5	Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1B: H314	1-5%

4. First Aid Measures

4.1 Description of first aid measures

Eye contact: Avoid contact with eyes, if product gets into eyes, rinse with water.
Skin contact: Avoid contact with skin, if product gets onto skin wash with water and remove contaminated clothing.
Ingestion: Do not drink, if swallowed drinking water may be beneficial, do not induce vomiting.
Inhalation: Avoid inhaling product, move to fresh air if in discomfort.



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4.2 Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact.
Eye contact: There may be irritation and pain. The eyes may water profusely.
Ingestion: There may be soreness and redness of the mouth and throat.
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
Delayed effects: Immediate effects can be expected after short-term exposure.

4.3 Indication of immediate medical attention and special treatment needed

Immediate / special treatment: Eye bathing equipment should be available on the premises.

5. Fire Fighting Measures

5.1 Extinguishing Media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2 Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3 Advice for fire fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2 Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3 Methods and materials for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4 Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

7. Handling and Storage

7.1 Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.

7.3 Specific end uses

Specific end use(s): No data available.

8. Exposure Controls/Personal Protection

8.1 Control parameters

Hazardous ingredients:

(2-METHOXYMETHYLETHOXY) PROPANOL

Workplace exposure limits:

State	8 hour TWA	15 min. STEL	Respirable dust	8 hour TWA	15 min. STEL
UK	50ppm(sk)	-	-	-	-

2-AMINOETHANOL

UK	2.5 mg/m3	7.6 mg/m3	-	-
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DNEL / PNEC Vales: No data available.



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8.2 Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.
Respiratory protection: Not normally required. However, inhalation of vapour or spray should be avoided.
Hand protection: Wear protective gloves.
Eye protection: Wear safety glasses with side-shields. Ensure eye bath is to hand.
Skin protection: Wear protective clothing.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

State: Liquid
Colour: Colourless
Odour: Barely perceptible odour
Evaporation rate: Slow
Oxidising: Not applicable.
Solubility in water: Soluble
Viscosity: Non-viscous
Boiling point/range°C: 100
Flammability limits %: lower: Not applicable
Flash point°C: Not applicable
Autoflammability°C: Not applicable
Relative density: 1.010 typical
VOC g/l: Not applicable
Melting point/range°C: 0
upper: Not applicable
Part.coeff. n-octanol/water: No data available
Vapour pressure: No data available
pH: 12.5

9.2 Other Information

Other information: No data available.

10. Stability and Reactivity

10.1 Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2 Chemical Stability

Chemical stability: Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4 Conditions to Avoid

Conditions to avoid: Heat. Hot surfaces.

10.5 Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6 Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

11. Toxicological Information

11.1 Information on toxicological effects

Hazardous ingredients:

(2-METHOXYMETHYLETHOXY)PROPANOL

DERMAL	RBT	LD50	9150 mg/kg
ORAL	RAT	LD50	>5000 mg/kg

AMIDES, C8-18 (EVEN NUMBERED) AND C18-UNSATD., N,N-BIS(HYDROXYETHYL)

DERMAL	RAT	LD50	>2000 mg/kg
ORAL	RAT	LD50	>5000 mg/kg

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ISOTRIDECANOL ETHOXYLATED
ORAL RAT LD50 >5000 mg/kg

2-AMINOETHANOL
DERMAL RBT LD50 2504 mg/kg
ORAL RAT LD50 1089 mg/kg
VAPOURS RAT 4H LC50 1487 mg/kg

Relevant effects for mixture:

Effect	Route	Basis
Irritation	OPT	Hazardous: calculated

Skin contact: There may be irritation and redness at the site of contact.
Eye contact: There may be pain and redness. The eyes may water profusely. The vision may become blurred.
Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.
Delayed effects: Immediate effects can be expected after short-term exposure.

12. Ecological Information

12.1 Toxicity

Hazardous ingredients:

(2-METHOXYMETHYLETHOXY)PROPANOL

DAPHNIA	48H EC50	1919 mg/l
FISH	96H LC50	>1000 mg/l
GREEN ALGA (Selenastrum capricornutum)	96H ErC50	>969 mg/l

AMIDES, C8-18 (EVEN NUMBERED) AND C18-UNSATD., N,N-BIS(HYDROXYETHYL)

ALGAE	72H IC50	3.9 mg/l
DAPHNIA	72H ErC50	3.2 mg/l
FISH	96H LC50	2.4 mg/l

ISOTRIDECANOL ETHOXYLATED

ALGAE	48H EC50	19.6 mg/l
DAPHNIA	48H EC50	15.0 mg/l

2-AMINOETHANOL

Daphnia magna	48H EC50	65 mg/l
FISH	96H LC50	349 mg/l
GREEN ALGA (Selenastrum capricornutum)	72H ErC50	2.5 mg/l

12.2 Persistence and Degradability

Persistence and degradability: Biodegradable. The surfactant(s) contained in this preparation complies (comply) with the Biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents, (or are undergoing testing to obtain a derogation within the terms of the directive). Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3 Bio-accumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4 Mobility in soil

Mobility: Readily absorbed into soil.

12.5 Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6 Other adverse effects

Other adverse effects: Negligible ecotoxicity.

13. Disposal Recommendations

13.1 Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.
NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

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14. Transport Information

Transport class: This product does not require a classification for transport.

15. Regulatory Information

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

15.2 Chemical safety assessment

16. Other Information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010. * indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H302: Harmful if swallowed.

H312: Harmful in contact with skin.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H332: Harmful if inhaled.

Training Advice: Normal use of this product shall imply use in accordance with the instructions on the packaging. Users should be trained in good industrial hygiene practise. This data sheet does not constitute an assessment of the workplace risks as required under the provisions of the Health & Safety at Work act and the Control of Substances Hazardous to Health (COSHH). Do not mix with other chemicals.

Date: 01.06.15

Legal Disclaimer: The information supplied above is based upon the present state of our knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the specification or quality of the product. The user must satisfy himself that the product is entirely suitable for his purpose.

Revision Number: 5.0

msds according to regulation (EC) no. 453/2010