

our safety data sheet for...

# heavy duty degreaser



## 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 according to EU Directive 1999/45/EC

Hazard Symbol/Category of danger Risk Phrases  
Irritant R36

Classification according to Regulation (EC) No 1272/2008: Refer to Section 16.  
For the wording of the listed R phrases or H statements, refer to section 16.

### 2.2 Label elements

Labelling according to EU Directive 1999/45/EC

Hazard Symbol:



Classification: Xi: Irritant.  
Risk Phrases: R36: Irritating to eyes.  
Safety Phrases: S2: Keep out of reach of children.  
S24/25: Avoid contact with skin and eyes.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S37/39: Wear suitable gloves and eye/face protection.

Labelling according to Regulation (EC) No 1272/2008: Refer to Section 16.

### 2.3 Other hazards

No other information is available.  
Hazardous components which must be listed on the label: None.

## 3. Composition/Information on Ingredients

### 3.2 Mixtures

Ingredient Name	Identifiers	Classification 67/548/EEC	Classification EC/1272/2008	Concentration Range
Ethanolamine	EC – 205-483-3 CAS – 141-43-5	Corrosive R34 Harmful R20/R21/R22	Skin Corr 1B H314 Acute Tox 4 H332 Acute Tox 4 H312 Acute Tox 4 H302	1-5%
Ethoxylated Alcohol	EC – Polymer CAS – 68439-46-3	Harmful R22 Irritant R41	Acute Tox 4 H302 Eye Damage 1 H318	1-5%
Amphoteric Surfactant	EC – Polymer CAS – 3655-00-3	Irritant R36	Eye Irritation 2 H319	1-5%

For the wording of the listed R phrases or H statements, refer to section 16.

our safety data sheet for...



Product name: Heavy Duty Degreaser  
Product code: DGR050DEL01C  
Page: 2 of 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.

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

No further information available.

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

Treatment: Treat symptomatically.

## 5. Fire Fighting Measures

### 5.1 Extinguishing Media

Suitable Extinguishing Media: Foam, Dry Powder, Co2, fine water spray suitable.  
Unsuitable Extinguishing Media: None.

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

Not classed as flammable, if involved in a fire may emit noxious fumes.

### 5.3 Advice for fire fighters

Wear self contained breathing apparatus and protective clothing. Cool closed containers exposed to the fire with water spray.  
Prevent water run-off from discharging into drains.

## 6. Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away. Use protective clothing, chemical eye goggles and PVC or rubber gloves. Avoid contact with skin and eyes.

### 6.2 Environmental precautions

Inform authorities in case of contamination of water or sewage system. Do not allow product to soak into drains or water courses.

### 6.3 Methods and materials for containment and cleaning up

Soak liquid in absorbent material and collect solids in a container. Wash down floor area as spillages can be slippery. Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent.

### 6.4 Reference to other sections

For personal protection refer to section 8.

## 7. Handling and Storage

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Observe good standards of industrial hygiene. Keep in tightly closed containers. Take note of emission threshold.

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

Keep containers tightly closed. Store between 10-35°C. Protect from frost. Do not store in extremes of temperature or near foodstuffs.

### 7.3 Specific end uses

To be used as a hard surface cleaner.

## 8. Exposure Controls/Personal Protection

### 8.1 Control parameters

Ingredient Name	WEL (sk)	8hr TWA	15min STEL
Monoethanolamine		1ppm	3ppm

### 8.2 Exposure controls

Respiratory Protection: Unlikely to be necessary where adequate ventilation is provided.  
Eyes: Eye protection should be worn.

## our safety data sheet for...



Product name: Heavy Duty Degreaser  
Product code: DGR050DEL01C  
Page: 3 of 5

Hand: PVC or rubber gloves are recommended.  
Skin: Remove contaminated clothing and wash with soap and water.

### 8.2.3 Environmental exposure controls

Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent.

## 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

Appearance: Pale Clear Fluid  
Odour: Characteristic Detergent  
Odour Threshold: Not determined  
pH Neat: 12.5 typical  
Freezing Point: 0°C  
Initial Boiling Point & Boiling Range: 100°C  
Flash Point: Not applicable  
Evaporation rate: Not determined  
Flammability: Not Flammable  
Upper/Lower Flammability Limits: Not applicable  
Vapour Pressure: Not determined  
Vapour Density: Not determined  
Relative Density: 1.010 typical @ 20°C  
Solubility: Soluble in water  
Partition Coefficient (Oct/Water): Not determined  
Auto Ignition Temperature: Not applicable  
Decomposition Temperature: >100°C  
Viscosity: As water  
Explosive Properties: Not applicable  
Oxidising Properties: Not applicable

### 9.2 Other Information

pH @ 2% in tap water: 11.00 typical

## 10. Stability and Reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical Stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to Avoid

High temperatures, naked flames.

### 10.5 Incompatible materials

Strong oxidising agents, strong acids.

### 10.6 Hazardous decomposition products

Oxides of carbon, water vapour and unidentified organic and inorganic compounds, some of which may be toxic may be evolved. Product is stable under normal conditions.

## 11. Toxicological Information

### 11.1 Information on toxicological effects

Eyes: Product is classified as an eye irritant. Contact with the product is likely to cause irritation and stinging.  
Skin: Product is not classified as a skin irritant. Brief or occasional contact is unlikely to cause any significant reaction. Prolonged or repeated contact with the product may lead to de-fatting of the skin and/or slight irritation.  
Inhalation: Unlikely to present any significant hazard at ambient temperature. Excessive exposure to mists caused by atomising systems may cause irritation to eyes and respiratory tract.  
Ingestion: Low order of acute toxicity. Ingestion of this product is not regarded as a significant health hazard, likely to arise in normal use. Swallowing of significant amounts may lead to vomiting and diarrhoea.

## our safety data sheet for...



Product name: Heavy Duty Degreaser  
Product code: DGR050DEL01C  
Page: 4 of 5

Acute Toxicity: Ethoxylated Alcohol LD50 Oral (rat) >2000 mg/kg  
Amphoteric Surfactant LD50 Oral (rat) >2000 mg/kg  
Ethanolamine LD50 Oral (rat) 1090 mg/kg

## 12. Ecological Information

### 12.1 Toxicity

Eco-toxicity: Ethoxylated Alcohol LC50 96hrs (fish) 1-10 mg/l  
EC50 48hrs (daphnia) 1-10 mg/l  
Ethanolamine LC50 96hrs (fish) 125 mg/l  
EC50 48hrs (daphnia) 33 mg/l

### 12.2 Persistence and Degradability

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

Not expected to bio-accumulate.

### 12.4 Mobility in soil

No information.

### 12.5 Results of PBT and vPvB assessment

No information.

### 12.6 Other adverse effects

Not known.

## 13. Disposal Recommendations

### 13.1 Waste treatment methods

Product should be disposed of via an authorised waste disposal contractor in accordance with all local and national regulations. Dispose of empty containers in accordance with local and national regulations. Advice can be obtained from the Waste Regulation Authority whether special waste regulations apply to this product.

## 14. Transport Information

Product is not classified as hazardous for transport.

## 15. Regulatory Information

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

Safety data sheet according to Regulation (EC) No. 453/2010. This mixture has been classified and labelled in accordance with 1999/45/EC. Classification in accordance with EC 1272/2008 is derived from Annex VII in accordance with Article 61 paragraph 5. 1907/2006/EC - Registration, Evaluation, Authorisation and Restriction of Chemicals and amendments. 98/24/EC - Protection of workers from the risk related to chemical agents at work. Refer to Directive for details of requirements. 1272/2008- Classification, labelling and packaging of substances and mixtures and amendments. Refer to the relevant EU/national regulation for details of any actions or restrictions required by the above Regulation(s)/Directive(s). The regulatory information provided may not be comprehensive. Other regulations may apply to this product.

### 15.2 Chemical safety assessment

No information at the present time.

## 16. Other Information

Classification according to Regulation (EC) No 1272/2008

Hazard Class	Hazard Category	Hazard Statements
Eye Irritation	Category 2	H319

## our safety data sheet for...



Product name: Heavy Duty Degreaser  
Product code: DGR050DEL01C  
Page: 5 of 5

Labelling according to Regulation (EC) No 1272/2008

Hazard Symbols:

Signal word: Warning

Hazard Statements: H319: Causes serious eye irritation.

Precautionary Statements:

General: P102: Keep out of reach of children.

Prevention: P264: Wash skin thoroughly after handling.  
P280: Wear protective gloves/eye protection.

Response: P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313: If eye irritation persists: Get medical advice/attention.

Full text of R-phrases referred to under sections 2 & 3:

R20: Harmful by inhalation.  
R21: Harmful in contact with skin.  
R22: Harmful if swallowed.  
R34: Causes burns.  
R36: Irritating to eyes.  
R41: Risk of serious damage to eyes.

Full text of H-Statements referred to under sections 2 & 3:

H332: Harmful if inhaled.  
H312: Harmful in contact with skin.  
H302: Harmful if swallowed.  
H314: Causes severe skin burns and eye damage.  
H319: Causes serious eye irritation.  
H318: Causes serious eye damage.

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: 25.07.13

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: 4.0

our safety data sheet for...

# heavy duty degreaser



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

### 1.1 Product Identifier

Product Name: Heavy Duty Degreaser  
Product Code: DGR007DEL01R (ready-to-use)

### 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 according to EU Directive 1999/45/EC  
Hazard Symbol/Category of danger Risk Phrases  
None None

Classification according to Regulation (EC) No 1272/2008: Refer to Section 16.  
For the wording of the listed R phrases or H statements, refer to section 16.

### 2.2 Label elements

Labelling according to EU Directive 1999/45/EC  
Safety Phrases S2: Keep out of reach of children.  
S24/25: Avoid contact with skin and eyes

Labelling according to Regulation (EC) No 1272/2008: Refer to Section 16.

### 2.3 Other hazards

No other information is available

## 3. Composition/Information on Ingredients

### 3.2 Mixtures

Ingredient Name	Identifiers	Classification 67/548/EEC	Classification EC/1272/2008	Concentration Range
Ethanolamine	EC – 205-483-3 CAS – 141-43-5	Corrosive R34 Harmful R20/R21/R22	Skin Corr 1B H314 Acute Tox 4 H332 Acute Tox 4 H312 Acute Tox 4 H302	<1%

For the wording of the listed R phrases or H statements, refer to section 16.

## 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.

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

No further information available.

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

Treatment: Treat symptomatically.

## 5. Fire Fighting Measures

### 5.1 Extinguishing Media

Suitable Extinguishing Media: Foam, Dry Powder, Co2, fine water spray suitable.

our safety data sheet for...



Product name: Heavy Duty Degreaser  
Product code: DGR007DEL01R  
Page: 2 of 4

Unsuitable Extinguishing Media: None.

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

Not normally combustible on account of its water content.

### 5.3 Advice for fire fighters

Wear self contained breathing apparatus and protective clothing. Cool closed containers exposed to the fire with water spray.  
Prevent water run-off from discharging into drains.

## 6. Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away. Use protective clothing, chemical eye goggles and PVC or rubber gloves. Avoid contact with skin and eyes.

### 6.2 Environmental precautions

Inform authorities in case of contamination of water or sewage system. Do not allow product to soak into drains or water courses.

### 6.3 Methods and materials for containment and cleaning up

Soak liquid in absorbent material and collect solids in a container. Wash down floor area as spillages can be slippery. Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent. Use only in well ventilated areas.

### 6.4 Reference to other sections

For personal protection refer to section 8.

## 7. Handling and Storage

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Observe good standards of industrial hygiene. Take note of emission threshold.

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

Keep containers tightly closed. Store between 10-35°C. Protect from frost. Do not store in extremes of temperature or near foodstuffs.

### 7.3 Specific end uses

To be used as a hard surface and general cleaner.

## 8. Exposure Controls/Personal Protection

### 8.1 Control parameters

Ingredient Name	WEL (sk)	8hr TWA	15min STEL
Monoethanolamine		1ppm	3ppm

### 8.2 Exposure controls

Respiratory Protection: Unlikely to be necessary where adequate ventilation is provided.  
Eyes: Chemical eye goggles should be worn.  
Hand: PVC or rubber gloves are recommended.  
Skin: Use protective clothing. Remove contaminated clothing and wash with soap and water.

### 8.2.3 Environmental exposure controls

Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent.

## 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

Appearance: Clear Water White Fluid  
Odour: Bland  
Odour Threshold: Not determined  
pH 10% in water: 7.0 typical  
Freezing Point: 0°C approx  
Initial Boiling Point & Boiling Range: 100°C  
Flash Point: Not determined  
Flammability: Non flammable  
Evaporation rate: Not determined  
Upper/Lower Flammability Limits: Not determined  
Vapour Pressure: Water=18mm Hg

## our safety data sheet for...



**Product name:** Heavy Duty Degreaser  
**Product code:** DGR007DEL01R  
**Page:** 3 of 4

Vapour Density: Not determined  
Relative Density: 1.00 typical @ 20°C  
Solubility: Soluble in water  
Partition Coefficient (Oct/Water): Not determined  
Auto Ignition Temperature: Not applicable  
Decomposition Temperature: Not applicable  
Viscosity: Not determined  
Explosive Properties: Not determined  
Oxidising Properties: Not applicable

### 9.2 Other Information

No other information available.

### 10. Stability and Reactivity

#### 10.1 Reactivity

No information available.

#### 10.2 Chemical Stability

No decomposition if stored and applied as directed.

#### 10.3 Possibility of hazardous reactions

No information available.

#### 10.4 Conditions to Avoid

Avoid naked flames, hot surfaces and other high temperature sources.

#### 10.5 Incompatible materials

Strong oxidising agents.

#### 10.6 Hazardous decomposition products

Oxides of carbon, water vapour and unidentified organic and inorganic compounds.

### 11. Toxicological Information

#### 11.1 Information on toxicological effects

Eyes: Not classified as an eye irritant. Contact is likely to cause temporary irritation and stinging.  
Skin: Not classified as a skin irritant. Brief or occasional contact is unlikely to cause any significant reaction. Prolonged or repeated contact may lead to de-fatting of the skin and/or slight irritation.  
Inhalation: Unlikely to present any significant hazard at ambient temperature. Excessive exposure to mists caused by atomising systems or fumes due to high temperatures may cause irritation to eyes and respiratory tract.  
Ingestion: Ingestion of this product is not regarded as a significant health hazard, likely to arise in normal use. Swallowing of significant amounts may cause nausea, vomiting and diarrhoea.

### 12. Ecological Information

#### 12.1 Toxicity

There is no data available on the product itself.

#### 12.2 Persistence and Degradability

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

They are not expected to bio-accumulate.

#### 12.4 Mobility in soil

Soluble in water.

#### 12.5 Results of PBT and vPvB assessment

No information.

#### 12.6 Other adverse effects

Not known.

## our safety data sheet for...



**Product name:** Heavy Duty Degreaser  
**Product code:** DGR007DEL01R  
**Page:** 4 of 4

### 13. Disposal Recommendations

#### 13.1 Waste treatment methods

Product should be disposed of via an authorised waste disposal contractor in accordance with all local and national regulations. Dispose of empty containers in accordance with local and national regulations. Advice can be obtained from the Waste Regulation Authority whether special waste regulations apply to this product.

### 14. Transport Information

Product is not classified as hazardous for transport.

### 15. Regulatory Information

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

Labelling in accordance with the Detergents Directive EC 648/2004:  
Less than 5% non-ionic surfactants  
Less than 5% amphoteric surfactants

Safety data sheet according to Regulation (EC) No. 453/2010. This mixture has been classified and labelled in accordance with 1999/45/EC. Classification in accordance with EC 1272/2008 is derived from Annex VII in accordance with Article 61 paragraph 5. 1907/2006/EC - Registration, Evaluation, Authorisation and Restriction of Chemicals and amendments. 98/24/EC - Protection of workers from the risk related to chemical agents at work. Refer to Directive for details of requirements. 1272/2008 - Classification, labelling and packaging of substances and mixtures and amendments. Refer to the relevant EU/national regulation for details of any actions or restrictions required by the above Regulation(s)/Directive(s). The regulatory information provided may not be comprehensive. Other regulations may apply to this product.

#### 15.2 Chemical safety assessment

No information at the present time.

### 16. Other Information

Classification according to Regulation (EC) No 1272/2008

Hazard Class	Hazard Category	Hazard Statements
None	None	None

Labelling according to Regulation (EC) No 1272/2008

Hazard Symbols	Signal word	Hazard Statements
None	None	None

Precautionary Statements:

General:	P102:	Keep out of reach of children.
Prevention:	P262:	Do not get in eyes, on skin or on clothing.

Full text of R-phrases referred to under sections 2 & 3:

R20:	Harmful by inhalation.
R21:	Harmful in contact with skin.
R22:	Harmful if swallowed.
R34:	Causes burns.

Full text of H-Statements referred to under sections 2 & 3:

H332:	Harmful if inhaled.
H312:	Harmful in contact with skin.
H302:	Harmful if swallowed.
H314:	Causes severe skin burns and eye damage.

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: 25.07.13

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: 3.0