

**GREASELIFT****Section: 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product identifier**

Product name : GREASELIFT

Product code : 115837E

Use of the Substance/Mixture : Grill Cleaner

Substance type: : Mixture

**For professional users only.**

Product dilution information : 17 %

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

Identified uses : Oven/Grill Cleaner. Manual process  
Oven/Grill Cleaner. Spray and wipe manual process  
Kitchen cleaner. Manual process

Recommended restrictions on use : Reserved for industrial and professional use.

**1.3 Details of the supplier of the safety data sheet**

Company : Ecolab Ltd.  
PO Box 11; Winnington Avenue  
Northwich, Cheshire, United Kingdom CW8 4DX  
+ 44 (0)1606 74488  
ccs@ecolab.com

**1.4 Emergency telephone number**

Emergency telephone number : Food & Beverage, Institutional, Agriculture, Textile Hygiene:  
Northwich: +44 (0)1606 74488  
Healthcare Leeds: +44 (0)113 232 2480  
Healthcare Swansea: +44 (0)1252 717616

Poison Information Centre telephone number : Not Available

Date of Compilation/Revision : 20.04.2015  
version : 1.2

**Section: 2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

**Classification (REGULATION (EC) No 1272/2008)**

**Product AS SOLD**

Skin corrosion, Category 1A H314  
Specific target organ toxicity - single exposure, Category 3, H335  
Respiratory system

**GREASELIFT**

**Product AT USE DILUTION**

Not a hazardous substance or mixture.

**Classification (67/548/EEC, 1999/45/EC)**

**Product AS SOLD**

C; CORROSIVE

The classification of this product is based only on its extreme pH value (in accordance with current European legislation).

R20/22

R35

R37

**Product AT USE DILUTION**

The product does not need to be labelled in accordance with EC directives or respective national laws.

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

**2.2 Label elements**

**Labelling (REGULATION (EC) No 1272/2008)**

**Product AS SOLD**

Hazard pictograms



Signal Word

: Danger

Hazard Statements

: H314  
H335

Causes severe skin burns and eye damage.  
May cause respiratory irritation.

Precautionary Statements

: **Prevention:**  
P280

Wear protective gloves/ eye protection/ face protection.

**Response:**

P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P305 + P351 + P338 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 CENTER or doctor/ physician.

Hazardous components which must be listed on the label:

2-(2-aminoethoxy)ethanol  
isopropanolamine  
monoethanolamine

**Product AT USE DILUTION**

Not a hazardous substance or mixture.

**Additional Labelling:**

**GREASELIFT****Product AS SOLD****2.3 Other hazards****Product AS SOLD**

None known.

**Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS****3.2 Mixtures****Product AS SOLD****Hazardous components**

Chemical Name	CAS-No. EC-No. REACH No.	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration: [%]
Benzyl alcohol	100-51-6 202-859-9 01-2119492630-38	Xn; R20/22	Acute toxicity Category 4; H302 Acute toxicity Category 4; H332	>= 30 - < 50
2-(2-butoxyethoxy)ethanol	112-34-5 203-961-6	Xi; R36	Eye irritation Category 2; H319	>= 5 - < 10
9-octadecenoic acid (z)-, compd. with 2-aminoethanol (1:1)	2272-11-9 218-878-0	Xi; R36	Eye irritation Category 2; H319	>= 5 - < 10
Poly(oxy-1,2-ethanediyl), .alpha.-(phenylmethyl)-.omega.-hydroxy-	26403-74-7	Xi; R36	Eye irritation Category 2; H319	>= 5 - < 10
2-(2-aminoethoxy)ethanol	929-06-6 213-195-4	C; R34-R37	Skin corrosion Category 1C; H314 Serious eye damage Category 1; H318 Specific target organ toxicity - single exposure Category 3; H335	>= 5 - < 10
ABS salt (alkylbenzene sulfonic acid salt)	68584-27-0 271-534-1	R22-R36	Acute toxicity Category 4; H302 Eye irritation Category 2; H319	>= 3 - < 5
triethanolamine	102-71-6 203-049-8 01-2119486482-31	Xi; R36	Eye irritation Category 2; H319	>= 3 - < 5
alkylethersulphates	68891-38-3 500-234-8 01-2119488639-16	Xi; R38-R41	Skin irritation Category 2; H315 Serious eye damage Category 1; H318	>= 3 - < 5
isopropanolamine	78-96-6 201-162-7	C; R34	Skin corrosion Category 1B; H314	>= 2.5 - < 5
monoethanolamine	141-43-5 205-483-3 01-2119486455-28	C; R34- R20/21/22-R37	Acute toxicity Category 4; H302 Acute toxicity Category 4; H332 Acute toxicity Category 4; H312 Skin corrosion Category 1B;	>= 2.5 - < 5

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			H314 Specific target organ toxicity - single exposure Category 3; H335	
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**Product AT USE DILUTION**  
**Hazardous components**

Chemical Name	CAS-No. EC-No. REACH No.	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration: [%]
Benzyl alcohol	100-51-6 202-859-9 01-2119492630-38	Xn; R20/22	Acute toxicity Category 4; H302 Acute toxicity Category 4; H332	>= 5 - < 10
2-(2-butoxyethoxy)ethanol	112-34-5 203-961-6	Xi; R36	Eye irritation Category 2; H319	>= 1 - < 2.5
9-octadecenoic acid (z)-, compd. with 2-aminoethanol (1:1)	2272-11-9 218-878-0	Xi; R36	Eye irritation Category 2; H319	>= 1 - < 2.5

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

**Section: 4. FIRST AID MEASURES****4.1 Description of first aid measures****Product AS SOLD**

- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
- In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
- If swallowed : Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
- If inhaled : Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

**Product AT USE DILUTION**

- In case of eye contact : Rinse with plenty of water.
- In case of skin contact : Rinse with plenty of water.

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If swallowed : Rinse mouth. Get medical attention if symptoms occur.  
If inhaled : Get medical attention if symptoms occur.

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

See Section 11 for more detailed information on health effects and symptoms.

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

Treatment : Treat symptomatically.

**Section: 5. FIREFIGHTING MEASURES**

**Product AS SOLD**

**5.1 Extinguishing media**

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : None known.

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

Specific hazards during firefighting : Not flammable or combustible.

Hazardous combustion products : Decomposition products may include the following materials:  
Carbon oxides  
nitrogen oxides (NOx)  
Sulphur oxides  
Oxides of phosphorus

**5.3 Advice for firefighters**

Special protective equipment for firefighters : Use personal protective equipment.

Further information : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

**Section: 6. ACCIDENTAL RELEASE MEASURES**

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

**Product AS SOLD**

Advice for non-emergency personnel : Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Advice for emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable

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materials.

**Product AT USE DILUTION**

Advice for non-emergency personnel : Refer to protective measures listed in sections 7 and 8.

Advice for emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.

**6.2 Environmental precautions**

**Product AS SOLD**

Environmental precautions : Do not allow contact with soil, surface or ground water.

**Product AT USE DILUTION**

Environmental precautions : No special environmental precautions required.

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

**Product AS SOLD**

Methods for cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

**Product AT USE DILUTION**

Methods for cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

**6.4 Reference to other sections**

See Section 1 for emergency contact information.

For personal protection see section 8.

See Section 13 for additional waste treatment information.

**Section: 7. HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

**Product AS SOLD**

Advice on safe handling : Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust/fume/gas/mist/vapours/spray. Use only with adequate ventilation. Wash hands thoroughly after handling.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

**Product AT USE DILUTION**

Advice on safe handling : Wash hands after handling. For personal protection see section 8.

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Hygiene measures : Wash hands before breaks and immediately after handling the product.

**7.2 Conditions for safe storage, including any incompatibilities****Product AS SOLD**

Requirements for storage areas and containers : Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers.

Storage temperature : 5 °C to 40 °C

**Product AT USE DILUTION**

Requirements for storage areas and containers : Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers.

**7.3 Specific end uses****Product AS SOLD**

Specific use(s) : Oven/Grill Cleaner. Manual process  
Oven/Grill Cleaner. Spray and wipe manual process  
Kitchen cleaner. Manual process

**Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters****Product AS SOLD****Occupational Exposure Limits**

CAS-No.	Components	Value type (Form of exposure)	Control parameters	Update	Basis
112-34-5	2-(2-butoxyethoxy) ethanol	TWA	10 ppm 67.5 mg/m <sup>3</sup>	2007-08-01	UKCOSSTD
		STEL	15 ppm 101.2 mg/m <sup>3</sup>	2007-08-01	UKCOSSTD
141-43-5	monoethanolamine	TWA	1 ppm 2.5 mg/m <sup>3</sup>	2007-08-01	UKCOSSTD
		STEL	3 ppm 7.6 mg/m <sup>3</sup>	2007-08-01	UKCOSSTD

**DNEL**

triethanolamine	:	End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 5 mg/m <sup>3</sup>
		End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term local effects Value: 5 mg/m <sup>3</sup>
		End Use: Workers Exposure routes: Dermal

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	Potential health effects: Long-term systemic effects Value: 6.3 mg/cm <sup>2</sup>
	End Use: Consumers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 1.25 mg/m <sup>3</sup>
	End Use: Consumers Exposure routes: Inhalation Potential health effects: Long-term local effects Value: 1.25 mg/m <sup>3</sup>
	End Use: Consumers Exposure routes: Dermal Potential health effects: Long-term systemic effects Value: 3.1 mg/cm <sup>2</sup>
	End Use: Consumers Exposure routes: Ingestion Potential health effects: Long-term systemic effects Value: 13 ppm

**PNEC**

triethanolamine	:	Fresh water Value: 0.32 mg/l
		Marine water Value: 0.032 mg/l
		Intermittent use/release Value: 5.12 mg/l
		Fresh water sediment Value: 1.7 mg/kg
		Marine sediment Value: 1.7 mg/kg
		Sewage treatment plant Value: 10 mg/l
		Soil Value: 0.151 mg/kg

**8.2 Exposure controls****Product AS SOLD****Appropriate engineering controls**

Engineering measures : Effective exhaust ventilation system Maintain air concentrations below occupational exposure standards.

**Individual protection measures**

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use.



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Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

- Eye/face protection (EN 166) : Safety goggles  
Face-shield
- Hand protection (EN 374) : Wear the following personal protective equipment:  
Nitrile rubber  
butyl-rubber  
Impervious gloves  
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
- Skin and body protection (EN 14605) : Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing
- Respiratory protection (EN 143, 14387) : None required if airborne concentrations are maintained below the exposure limit listed in Exposure Limit Information. Use certified respiratory protection equipment meeting EU requirements(89/656/EEC, 89/686/EEC ), or equivalent, when respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization.

**Product AT USE DILUTION**

**Appropriate engineering controls**

- Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Individual protection measures**

- Hygiene measures : Wash hands before breaks and immediately after handling the product.
- Eye/face protection (EN 166) : No special protective equipment required.
- Hand protection (EN 374) : No special protective equipment required.
- Skin and body protection (EN 14605) : No special protective equipment required.
- Respiratory protection (EN 143, 14387) : None required if airborne concentrations are maintained below the exposure limit listed in Exposure Limit Information. Use certified respiratory protection equipment meeting EU requirements(89/656/EEC, 89/686/EEC ), or equivalent, when respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization.

**Environmental exposure controls**

- General advice : Consider the provision of containment around storage vessels.

**Section: 9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

**GREASELIFT**

	<b>Product AS SOLD</b>	<b>Product AT USE DILUTION</b>
Appearance	: liquid	liquid
Colour	: clear, orange	light orange
Odour	: slight	slight
pH	: 10.5 - 11.5, 100 %	10.1 - 10.9
Flash point	: 96 °C closed cup, Does not sustain combustion.	
Odour Threshold	: Not applicable and/or not determined for the mixture	
Melting point/freezing point	: Not applicable and/or not determined for the mixture	
Initial boiling point and boiling range	: > 100 °C	
Evaporation rate	: Not applicable and/or not determined for the mixture	
Flammability (solid, gas)	: Not applicable and/or not determined for the mixture	
Upper explosion limit	: Not applicable and/or not determined for the mixture	
Lower explosion limit	: Not applicable and/or not determined for the mixture	
Vapour pressure	: Not applicable and/or not determined for the mixture	
Relative vapour density	: Not applicable and/or not determined for the mixture	
Relative density	: 1.04 - 1.06	
Water solubility	: Not applicable and/or not determined for the mixture	
Solubility in other solvents	: Not applicable and/or not determined for the mixture	
Partition coefficient: n-octanol/water	: Not applicable and/or not determined for the mixture	
Auto-ignition temperature	: Not applicable and/or not determined for the mixture	
Thermal decomposition	: Not applicable and/or not determined for the mixture	
Viscosity, kinematic	: Not applicable and/or not determined for the mixture	
Explosive properties	: Not applicable and/or not determined for the mixture	
Oxidizing properties	: The substance or mixture is not classified as oxidizing.	

**9.2 Other information**

Not applicable and/or not determined for the mixture

**Section: 10. STABILITY AND REACTIVITY****Product AS SOLD****10.1 Reactivity**

No dangerous reaction known under conditions of normal use.

**10.2 Chemical stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

No dangerous reaction known under conditions of normal use.

**10.4 Conditions to avoid**

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None known.

**10.5 Incompatible materials**

Acids  
Metals

**10.6 Hazardous decomposition products**

Decomposition products may include the following materials:

Carbon oxides  
nitrogen oxides (NO<sub>x</sub>)  
Sulphur oxides  
Oxides of phosphorus

**Section: 11. TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

**Product AS SOLD**

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

**Toxicity**

Acute oral toxicity	: Acute toxicity estimate : > 2,000 mg/kg
Acute inhalation toxicity	: 4 h Acute toxicity estimate : > 20 mg/l
Acute dermal toxicity	: Acute toxicity estimate : > 2,000 mg/kg
Skin corrosion/irritation	: There is no data available for this product.
Serious eye damage/eye irritation	: There is no data available for this product.
Respiratory or skin sensitization	: There is no data available for this product.
Carcinogenicity	: There is no data available for this product.
Reproductive effects	: There is no data available for this product.
Germ cell mutagenicity	: There is no data available for this product.
Teratogenicity	: There is no data available for this product.
STOT - single exposure	: There is no data available for this product.
STOT - repeated exposure	: There is no data available for this product.
Aspiration toxicity	: There is no data available for this product.

**Components**

Acute oral toxicity	: Benzyl alcohol LD50 rat: 1,620 mg/kg
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2-(2-butoxyethoxy)ethanol

LD50 rat: 3,306 mg/kg

9-octadecenoic acid (z)-, compd. with 2-aminoethanol (1:1)

LD50 rat: > 2,000 mg/kg

Poly(oxy-1,2-ethanediyl), .alpha.-(phenylmethyl)-.omega.-hydroxy-

LD50 rat: > 2,000 mg/kg

ABS salt (alkylbenzene sulfonic acid salt)

LD50 rat: 1,249 mg/kg

triethanolamine

LD50 rat: 6,400 mg/kg

alkylethersulphates

LD50 rat: 3,350 mg/kg

isopropanolamine

LD50 rat: > 2,000 mg/kg

monoethanolamine

LD50 rat: 1,089 mg/kg

**Components**

Acute inhalation toxicity : ABS salt (alkylbenzene sulfonic acid salt)

4 h LC50 rat: > 1.9 mg/l

isopropanolamine

4 h LC50 rat: > 5.19 mg/l

monoethanolamine

4 h LC50 rat: > 1.6 mg/l

**Components**

Acute dermal toxicity : Benzyl alcohol

LD50 rabbit: 2,000 mg/kg

2-(2-butoxyethoxy)ethanol

LD50 rabbit: 2,764 mg/kg

9-octadecenoic acid (z)-, compd. with 2-aminoethanol (1:1)

LD50 rabbit: > 2,000 mg/kg

alkylethersulphates

LD50 rabbit: 8,000 mg/kg

monoethanolamine

LD50 rabbit: 1,025 mg/kg

**Potential Health Effects**

**Product AS SOLD**

Eyes : Causes serious eye damage.

Skin : Causes severe skin burns.

Ingestion : Causes digestive tract burns.

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Inhalation : May cause respiratory tract irritation. May cause nose, throat, and lung irritation.

Chronic Exposure : Health injuries are not known or expected under normal use.

**Product AT USE DILUTION**

Eyes : Health injuries are not known or expected under normal use.

Skin : Health injuries are not known or expected under normal use.

Ingestion : Health injuries are not known or expected under normal use.

Inhalation : Health injuries are not known or expected under normal use.

Chronic Exposure : Health injuries are not known or expected under normal use.

**Experience with human exposure**

**Product AS SOLD**

Eye contact : Redness, Pain, Corrosion

Skin contact : Redness, Pain, Corrosion

Ingestion : Corrosion, Abdominal pain

Inhalation : Respiratory irritation, Cough

**Product AT USE DILUTION**

Eye contact : No symptoms known or expected.

Skin contact : No symptoms known or expected.

Ingestion : No symptoms known or expected.

Inhalation : No symptoms known or expected.

**Section: 12. ECOLOGICAL INFORMATION**

**Product AS SOLD**

**12.1 Ecotoxicity**

Environmental Effects : This product has no known ecotoxicological effects.

**Product**

Toxicity to fish : no data available

Toxicity to daphnia and other aquatic invertebrates : no data available

Toxicity to algae : no data available

**Components**

Toxicity to fish : Benzyl alcohol  
96 h LC50 Fish: > 100 mg/l

2-(2-butoxyethoxy)ethanol  
96 h LC50 Fish: 1,300 mg/l

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9-octadecenoic acid (z)-, compd. with 2-aminoethanol (1:1)  
96 h LC50 Fish: 7.44 mg/l

Poly(oxy-1,2-ethanediyl), .alpha.-(phenylmethyl)-.omega.-hydroxy-  
96 h LC50: > 100 mg/l

ABS salt (alkylbenzene sulfonic acid salt)  
96 h LC50 Fish: 5.07 mg/l

triethanolamine  
96 h LC50: 11,800 mg/l

alkylethersulphates  
96 h LC50 Fish: 7.1 mg/l

**Components**

Toxicity to daphnia and other : triethanolamine  
aquatic invertebrates 48 h EC50: 609.88 mg/l

monoethanolamine  
48 h EC50 Daphnia: 65 mg/l

**Components**

Toxicity to algae : triethanolamine  
72 h EC50: > 100 mg/l

isopropanolamine  
72 h EC50: 32.7 mg/l

**12.2 Persistence and degradability**

**Product**

Biodegradability : The surfactants contained in the product are biodegradable  
according to the requirements of the detergent regulation  
648/2004/EC

**Components**

Biodegradability : Benzyl alcohol  
Result: Readily biodegradable.

2-(2-butoxyethoxy)ethanol  
Result: Not applicable.

Poly(oxy-1,2-ethanediyl), .alpha.-(phenylmethyl)-.omega.-hydroxy-  
Result: Readily biodegradable.

triethanolamine  
Result: Readily biodegradable.

monoethanolamine  
Result: Readily biodegradable.

**12.3 Bioaccumulative potential**

no data available

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**12.4 Mobility in soil**

no data available

**12.5 Results of PBT and vPvB assessment**

**Product**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6 Other adverse effects**

no data available

**Section: 13. DISPOSAL CONSIDERATIONS**

Dispose of in accordance with the European Directives on waste and hazardous waste. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

**13.1 Waste treatment methods**

**Product AS SOLD**

Product : Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Contaminated packaging : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

European Waste Catalogue : 200113\* - solvents

**Product AT USE DILUTION**

Product : Diluted product can be flushed to sanitary sewer.

Contaminated packaging : Dispose of in accordance with local, state, and federal regulations.

**Section: 14. TRANSPORT INFORMATION**

**Product AS SOLD**

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

**Land transport (ADR/ADN/RID)**

- 14.1 UN number : 3267  
14.2 UN proper shipping name : CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.  
(2-(2-aminoethoxy)ethanol, isopropanolamine)  
14.3 Transport hazard class(es) : 8  
14.4 Packing group : III

**GREASELIFT**

14.5 Environmental hazards : No  
14.6 Special precautions for user : None

**Air transport (IATA)**

14.1 UN number : 3267  
14.2 UN proper shipping name : Corrosive liquid, basic, organic, n.o.s.  
(2-(2-aminoethoxy)ethanol, isopropanolamine)  
14.3 Transport hazard class(es) : 8  
14.4 Packing group : III  
14.5 Environmental hazards : No  
14.6 Special precautions for user : None

**Sea transport (IMDG/IMO)**

14.1 UN number : 3267  
14.2 UN proper shipping name : CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.  
(2-(2-aminoethoxy)ethanol, isopropanolamine)  
14.3 Transport hazard class(es) : 8  
14.4 Packing group : III  
14.5 Environmental hazards : No  
14.6 Special precautions for user : None  
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not applicable.

**Product AT USE DILUTION**

Not intended for transport.

**Section: 15. REGULATORY INFORMATION**

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

according to Detergents Regulation EC 648/2004 : 5 % or over but less than 15 %: Anionic surfactants, Soap  
less than 5 %: Non-ionic surfactants  
Allergens:  
Benzyl alcohol

**National Regulations**

**Take note of Dir 94/33/EC on the protection of young people at work.**

Other regulations : The Chemicals (Hazard Information and Packaging for Supply) Regulations.  
The Control of Substances Hazardous to Health Regulations.  
Health and Safety at Work Act.

**15.2 Chemical Safety Assessment**

This product contains substances for which Chemical Safety Assessments are still required.



**GREASELIFT****Section: 16. OTHER INFORMATION****Full text of R-Phrases**

R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R20/22	Harmful by inhalation and if swallowed.
R22	Harmful if swallowed.
R34	Causes burns.
R36	Irritating to eyes.
R37	Irritating to respiratory system.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.

**Full text of H-Statements**

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.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

**Full text of other abbreviations**

Prepared by : Regulatory Affairs

Numbers quoted in the MSDS are given in the format: 1,000,000 = 1 million and 1,000 = 1 thousand. 0.1 = 1 tenth and 0.001 = 1 thousandth

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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 process, unless specified in the text.

**ANNEX: EXPOSURE SCENARIOS****DPD+ Substances:**

The following substances are the lead substances that contribute to the mixture Exposure Scenario according to the DPD+ Rule:

Route	Substance	CAS-No.	EINECS-No.
Ingestion	Benzyl alcohol	100-51-6	202-859-9
Inhalation	2-(2-aminoethoxy)ethanol	929-06-6	213-195-4
Dermal	2-(2-aminoethoxy)ethanol	929-06-6	213-195-4
Eyes	2-(2-aminoethoxy)ethanol	929-06-6	213-195-4
aquatic environment	No lead substance		

**GREASELIFT****Physical properties DPD+ Substances:**

Substance	Vapour pressure	Water solubility	Pow	Molar Mass
Benzyl alcohol	0.09 hPa	44 g/l	11.48	

To calculate if your downstream Operating Conditions and Risk management Measures are safe, please calculate your risk factor at the website below:

[www.ecetoc.org/tra](http://www.ecetoc.org/tra)

**Short title of Exposure Scenario : Oven/Grill Cleaner. Manual process**

**Use descriptors**

Main User Groups : Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Sectors of end-use : **SU22:** Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Process categories : **PROC10:** Roller application or brushing

Product categories : **PC35:** Washing and cleaning products (including solvent based products)

Environmental Release Categories : **ERC8a:** Wide dispersive indoor use of processing aids in open systems

**Short title of Exposure Scenario : Oven/Grill Cleaner. Spray and wipe manual process**

**Use descriptors**

Main User Groups : Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Sectors of end-use : **SU22:** Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Process categories : **PROC10:** Roller application or brushing  
**PROC11:** Non industrial spraying

Product categories : **PC35:** Washing and cleaning products (including solvent based products)

Environmental Release Categories : **ERC8a:** Wide dispersive indoor use of processing aids in open systems

**GREASELIFT**

**Short title of Exposure Scenario** : **Kitchen cleaner. Manual process**

**Use descriptors**

Main User Groups : Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Sectors of end-use : **SU22:** Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Process categories : **PROC10:** Roller application or brushing  
**PROC8a:** Transfer of substance or preparation (charging/ discharging) from/ to vessels/ large containers at non-dedicated facilities

Product categories : **PC35:** Washing and cleaning products (including solvent based products)

Environmental Release Categories : **ERC8a:** Wide dispersive indoor use of processing aids in open systems