

SAFETY DATA SHEET RELOAD 2-FLOOR DEGREASER

According to Regulation (EU) No 453/2010

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

1.1. Product identifier

Product name RELOAD 2-FLOOR DEGREASER
Product No. REAQUADEG

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

Identified uses Cleaning agent.

1.3. Details of the supplier of the safety data sheet

Supplier Kitchenmaster NI Ltd
11 Comber Road
Belfast
BT8 8AN
Tel. 028 90814777
Fax. 028 90812881
email: sds@kitchenmaster-ni.com

1.4. Emergency telephone number

028 9081 4777
08:30 - 17:00 Monday to Thursday
08:30 - 16:30 Friday

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (1999/45/EEC) C;R34.

Human health

Corrosive. Prolonged contact causes serious eye and tissue damage.

Environment

The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

2.2. Label elements

Contains POTASSIUM HYDROXIDE

Detergent Labelling:

5 - < 15%	anionic surfactants
< 5%	non-ionic surfactants
	cationic surfactants
	perfumes

Labelling



Corrosive

Risk Phrases

R34 Causes burns.

Safety Phrases

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.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S60	This material and its container must be disposed of as hazardous waste.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

RELOAD 2-FLOOR DEGREASER

3.2. Mixtures

ALCOHOL ETHOXYLATE-3 MOLE	1-5%
CAS-No.:	EC No.:
Classification (EC 1272/2008) Eye Dam. 1 - H318 Aquatic Acute 1 - H400	Classification (67/548/EEC) Xi;R41. N;R50.
BUTYL GLYCOL	1-5%
CAS-No.: 111-76-2	EC No.: 203-905-0
Classification (EC 1272/2008) Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	Classification (67/548/EEC) Xn;R20/21/22 Xi;R36/38
COCONUT DIETHANOLAMIDE	1-5%
CAS-No.: 8051-30-7	EC No.:
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Dam. 1 - H318	Classification (67/548/EEC) Xi;R38,R41.
POTASSIUM HYDROXIDE	1-5%
CAS-No.: 1310-58-3	EC No.: 215-181-3
Classification (EC 1272/2008) Acute Tox. 4 - H302 Skin Corr. 1A - H314	Classification (67/548/EEC) C;R35 Xn;R22
PROPAN-2-OL	5-10%
CAS-No.: 67-63-0	EC No.: 200-661-7
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	Classification (67/548/EEC) F;R11 Xi;R36 R67
SECONDARY ALKANE SULPHONATE, SODIUM SALT	5-10%
CAS-No.: 85711-69-9	EC No.: 288-330-3
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Dam. 1 - H318	Classification (67/548/EEC) Xi;R38,R41.

RELOAD 2-FLOOR DEGREASER

SODIUM CARBONATE		1-5%
CAS-No.: 497-19-8	EC No.: 207-838-8	
Classification (EC 1272/2008) Eye Irrit. 2 - H319	Classification (67/548/EEC) Xi;R36	
SODIUM XYLENE SULPHONATE		1-5%
CAS-No.: 1300-72-7	EC No.:	
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335	Classification (67/548/EEC) Xi;R36/37/38.	

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

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention.

Ingestion

Remove victim immediately from source of exposure. Rinse mouth thoroughly. Do not induce vomiting. Provide rest, warmth and fresh air. Get medical attention immediately!

Skin contact

Remove victim immediately from source of exposure. Remove contaminated clothes and rinse skin thoroughly with water. Contact physician if irritation continues or sores develop.

Eye contact

Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

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

Inhalation.

Spray mists may cause respiratory tract irritation.

Ingestion

May cause discomfort if swallowed. May cause internal injury.

Skin contact

Causes burns. Blistering may occur.

Eye contact

May cause chemical eye burns.

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

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

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

In case of fire, toxic and corrosive gases may be formed.

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

Specific hazards

The product is non-combustible. If heated, corrosive and toxic vapours/gases may be formed.

RELOAD 2-FLOOR DEGREASER

5.3. Advice for firefighters

Special Fire Fighting Procedures

Keep run-off water out of sewers and water sources. Dike for water control.

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

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Stop leak if possible without risk. DO NOT touch spilled material! Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not let washing down water contaminate ponds or waterways. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Read and follow manufacturer's recommendations. Avoid spilling, skin and eye contact. Wash hands after handling.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place.

Storage Class

Corrosive storage.

7.3. Specific end use(s)

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

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
BUTYL GLYCOL	WEL	25 ppm		50 ppm		Sk
POTASSIUM HYDROXIDE	WEL				2 mg/m3	
PROPAN-2-OL	WEL	400 ppm	999 mg/m3	500 ppm	1250 mg/m3	

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

8.2. Exposure controls

Protective equipment



Engineering measures

Provide adequate ventilation.

Respiratory equipment

If ventilation is insufficient, suitable respiratory protection must be provided.

Hand protection

Use protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Eye protection

Wear approved safety goggles.

RELOAD 2-FLOOR DEGREASER

Other Protection

Wear appropriate clothing to prevent any possibility of skin contact. Provide eyewash station.

Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly if skin becomes contaminated. Wash hands after handling. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Dark. Blue.
Odour	Characteristic.
Solubility	Soluble in water.
Relative density	1.070
pH-Value, Conc. Solution	14

9.2. Other information

Not determined.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Alkalis.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Hazardous Polymerisation

Will not polymerise.

10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials To Avoid

Acids.

10.6. Hazardous decomposition products

None under normal conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Inhalation

May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

Ingestion

Causes burns. May cause internal injury.

Skin contact

Causes burns. Blistering may occur.

Eye contact

Causes burns. Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss of sight.

Toxicological information on ingredients.

RELOAD 2-FLOOR DEGREASER

SODIUM CARBONATE (CAS: 497-19-8)

Acute toxicity:

Acute Toxicity (Oral LD50)

2800 mg/kg Rat

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Acute Toxicity (Dermal LD50)

> 2000 mg/kg Rabbit

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Acute Toxicity (Inhalation LC50)

2300 mg/m³ (aerosol) Rat 2 hours

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POTASSIUM HYDROXIDE (CAS: 1310-58-3)

Acute toxicity:

Acute Toxicity (Oral LD50)

333 mg/kg Rat

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PROPAN-2-OL (CAS: 67-63-0)

Acute toxicity:

Acute Toxicity (Oral LD50)

5.84 g/kg Rat

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Acute Toxicity (Dermal LD50)

16.4 mL/kg Rabbit

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Acute Toxicity (Inhalation LC50)

> 10000 ppm (vapours) Rat

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ALCOHOL ETHOXYLATE-3 MOLE

Toxicological information

No information available.

BUTYL GLYCOL (CAS: 111-76-2)

Acute toxicity:

Acute Toxicity (Oral LD50)

1746 mg/kg Rat

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Acute Toxicity (Dermal LD50)

0.63 mL/kg Rabbit

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Acute Toxicity (Inhalation LC50)

450 ppm (vapours) Rat 4 hours

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COCONUT DIETHANOLAMIDE (CAS: 8051-30-7)

Acute toxicity:

Acute Toxicity (Oral LD50)

> 2000 mg/kg Rat

IUCLID chemical data sheet.

RELOAD 2-FLOOR DEGREASER
SECONDARY ALKANE SULPHONATE, SODIUM SALT (CAS: 85711-69-9)

Acute toxicity:

Acute Toxicity (Oral LD50)

500 mg/kg Rat

IUCLID chemical data sheet.

SODIUM XYLENE SULPHONATE (CAS: 1300-72-7)

Acute toxicity:

Acute Toxicity (Oral LD50)

> 7000 mg/kg Rat

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Acute Toxicity (Dermal LD50)

> 2000 mg/kg

REACH dossier information

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

Ecological information on ingredients.

SODIUM XYLENE SULPHONATE (CAS: 1300-72-7)

Ecotoxicity

No data on possible environmental effects have been found.

12.1. Toxicity

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Ecological information on ingredients.

SODIUM CARBONATE (CAS: 497-19-8)

Acute Toxicity - Fish

LC50 96 hours 300 mg/l *Lepomis macrochirus* (Bluegill)

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Acute Toxicity - Aquatic Invertebrates

EC50 48 hours 200 mg/l *Ceriodaphnia* sp.

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POTASSIUM HYDROXIDE (CAS: 1310-58-3)

Acute Toxicity - Fish

LC50 96 hours 80 mg/l *Gambusia affinis*

IUCLID chemical data sheet.

PROPAN-2-OL (CAS: 67-63-0)

Acute Toxicity - Fish

LC50 9640 mg/l *Pimephales promelas* (Fat-head Minnow)

REACH dossier information

Acute Toxicity - Aquatic Invertebrates

LC50 24 hours > 10000 mg/l *Daphnia magna*

REACH dossier information

Acute Toxicity - Aquatic Plants

Toxicity threshold 168 hours 1800 mg/l *Scenedesmus quadricauda*

REACH dossier information

ALCOHOL ETHOXYLATE-3 MOLE

No information available.

BUTYL GLYCOL (CAS: 111-76-2)

Acute Toxicity - Fish

LC50 96 hours 1474 mg/l *Onchorhynchus mykiss* (Rainbow trout)

REACH dossier information

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours 1550 mg/l *Daphnia magna*

REACH dossier information

Acute Toxicity - Aquatic Plants

EC50 72 hours 911 mg/l *Pseudokirchnerella subcapitata*

REACH dossier information

NOEC 72 hours 88 mg/l *Pseudokirchnerella subcapitata*

REACH dossier information

COCONUT DIETHANOLAMIDE (CAS: 8051-30-7)

Acute Toxicity - Fish

LC50 96 hours 5.4 mg/l *Brachydanio rerio* (Zebra Fish)

IUCLID chemical data sheet.

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours 2.39 mg/l *Daphnia magna*

IUCLID chemical data sheet.

Acute Toxicity - Aquatic Plants

EC50 96 hours 2.3 mg/l *Scenedesmus acutus*

IUCLID chemical data sheet.

SECONDARY ALKANE SULPHONATE, SODIUM SALT (CAS: 85711-69-9)

Acute Toxicity - Fish

LC50 96 hours 1 mg/l *Brachydanio rerio* (Zebra Fish)

IUCLID chemical data sheet.

NOEC 96 hours 4 *Poecilia reticulata*

IUCLID chemical data sheet.

Acute Toxicity - Aquatic Invertebrates

EC50 24 hours 12.5 mg/l *Daphnia magna*

IUCLID chemical data sheet.

Acute Toxicity - Aquatic Plants

EC50 72 hours 95.5 mg/l *Scenedesmus subspicatus*

IUCLID chemical data sheet.

NOEC 72 hours 20.1 mg/l *Scenedesmus subspicatus*

IUCLID chemical data sheet.

SODIUM XYLENE SULPHONATE (CAS: 1300-72-7)

RELOAD 2-FLOOR DEGREASER

Acute Toxicity - Fish

LC50 96 hours > 1000 mg/l Onchorhynchus mykiss (Rainbow trout)

REACH dossier information

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours > 1020 mg/l Daphnia magna

REACH dossier information

Acute Toxicity - Aquatic Plants

EC50 96 hours 758 mg/l Pseudokirchnerella subcapitata

REACH dossier information

12.2. Persistence and degradability

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. 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. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

Mobility:

The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Not determined.

12.6. Other adverse effects

Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Recover and reclaim or recycle, if practical.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID/ADN) 1814

UN No. (IMDG) 1814

UN No. (ICAO) 1814

14.2. UN proper shipping name

Proper Shipping Name POTASSIUM HYDROXIDE, SOLUTION

14.3. Transport hazard class(es)

ADR/RID/ADN Class 8

ADR/RID/ADN Class Class 8: Corrosive substances.

ADR Label No. 8

IMDG Class 8

ICAO Class/Division 8

Transport Labels

RELOAD 2-FLOOR DEGREASER



14.4. Packing group

ADR/RID/ADN Packing group	III
IMDG Packing group	III
ICAO Packing group	III

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

EMS	F-A, S-B
Emergency Action Code	2R
Hazard No. (ADR)	80

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

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Comments

Re-issued according to Regulation (EU) No 453/2010.

Revision Date	04-2012
Revision	3
Supersedes date	06-2008

RELOAD 2-FLOOR DEGREASER

Risk Phrases In Full

R34	Causes burns.
R35	Causes severe burns.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R22	Harmful if swallowed.
R11	Highly flammable
R36/38	Irritating to eyes and skin.
R36/37/38	Irritating to eyes, respiratory system and skin.
R36	Irritating to eyes.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R67	Vapours may cause drowsiness and dizziness.
R50	Very toxic to aquatic organisms.

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.
H225	Highly flammable liquid and vapour.
H336	May cause drowsiness or dizziness.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.