SAFETY DATA SHEET
HEAVY DUTY 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 HEAVY DUTY DEGREASER

Product No. 604

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) Xi;R38, R41.

Human health

Irritating to skin. Risk of serious damage to eyes.

Environment

The product contains a substance which is very toxic to aquatic organisms. The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

2.2. Label elements

Detergent Labelling:

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

Labelling

Irritant

Risk Phrases

R38	Irritating to skin.
R41	Risk of serious damage to eyes.

Safety Phrases

S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S24/25	Avoid contact with skin and eyes.
S37/39	Wear suitable gloves and eye/face protection.
S60	This material and its container must be disposed of as hazardous waste.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

ALCOHOL ETHOXYLATE-3 MOLE **1-5%**

CAS-No.: **EC No.:**

Classification (EC 1272/2008)	Classification (67/548/EEC)
Eye Dam. 1 - H318	Xi;R41.
Aquatic Acute 1 - H400	N;R50.

BUTYL GLYCOL **1-5%**

CAS-No.: 111-76-2 **EC No.: 203-905-0**

Classification (EC 1272/2008)	Classification (67/548/EEC)
Acute Tox. 4 - H302	Xn;R20/21/22
Acute Tox. 4 - H312	Xi;R36/38
Acute Tox. 4 - H332	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	

COCONUT DIETHANOLAMIDE **1-5%**

CAS-No.: 8051-30-7 **EC No.:**

Classification (EC 1272/2008)	Classification (67/548/EEC)
Skin Irrit. 2 - H315	Xi;R38,R41.
Eye Dam. 1 - H318	

POTASSIUM HYDROXIDE **1-5%**

CAS-No.: 1310-58-3 **EC No.: 215-181-3**

Classification (EC 1272/2008)	Classification (67/548/EEC)
Acute Tox. 4 - H302	C;R35
Skin Corr. 1A - H314	Xn;R22

PROPAN-2-OL **5-10%**

CAS-No.: 67-63-0 **EC No.: 200-661-7**

Classification (EC 1272/2008)	Classification (67/548/EEC)
Flam. Liq. 2 - H225	F;R11
Eye Irrit. 2 - H319	Xi;R36
STOT SE 3 - H336	R67

SECONDARY ALKANE SULPHONATE, SODIUM SALT **1-5%**

CAS-No.: 85711-69-9 **EC No.: 288-330-3**

Classification (EC 1272/2008)	Classification (67/548/EEC)
Skin Irrit. 2 - H315	Xi;R38,R41.
Eye Dam. 1 - H318	

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 if any discomfort continues.

Ingestion

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

Skin contact

Remove victim immediately from source of exposure. Remove contaminated clothes and rinse skin thoroughly with water. Get medical attention if any discomfort continues.

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

Skin irritation.

Eye contact

Irritating to eyes.

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 relevant

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

During fire, toxic gases (CO, CO2) are formed.

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

Specific hazards

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2).

5.3. Advice for firefighters

Special Fire Fighting Procedures

No specific fire fighting procedure given.

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 to the aquatic environment.

6.3. Methods and material for containment and cleaning up

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. 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.

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

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

Hand protection

Wear 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.

Hygiene measures

Wash hands after handling. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Wash hands at the end of each work shift and before eating, smoking and using the toilet. 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
Odour	Characteristic.

9.2. Other information

Not determined.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Acids.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Hazardous Polymerisation

Not relevant

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

Spray mists may cause respiratory tract irritation.

Ingestion

May cause discomfort if swallowed. May cause stomach pain or vomiting.

Skin contact

Irritating to skin.

Eye contact

Risk of serious damage to eyes.

Toxicological information on ingredients.

SODIUM CARBONATE (CAS: 497-19-8)

Acute toxicity:

Acute Toxicity (Oral LD50)

2800 mg/kg Rat

REACH dossier information

Acute Toxicity (Dermal LD50)

> 2000 mg/kg Rabbit

REACH dossier information

Acute Toxicity (Inhalation LC50)

2300 mg/m³ (aerosol) Rat 2 hours

REACH dossier information

POTASSIUM HYDROXIDE (CAS: 1310-58-3)

Acute toxicity:

Acute Toxicity (Oral LD50)

333 mg/kg Rat

REACH dossier information

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

Acute toxicity:

Acute Toxicity (Oral LD50)

5.84 g/kg Rat

REACH dossier information

Acute Toxicity (Dermal LD50)

16.4 mL/kg Rabbit

REACH dossier information

Acute Toxicity (Inhalation LC50)

> 10000 ppm (vapours) Rat

REACH dossier information

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

REACH dossier information

Acute Toxicity (Dermal LD50)

0.63 mL/kg Rabbit

REACH dossier information

Acute Toxicity (Inhalation LC50)

450 ppm (vapours) Rat 4 hours

REACH dossier information

COCONUT DIETHANOLAMIDE (CAS: 8051-30-7)

Acute toxicity:

Acute Toxicity (Oral LD50)

> 2000 mg/kg Rat

IUCLID chemical data sheet.

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

REACH dossier information

Acute Toxicity (Dermal LD50)

> 2000 mg/kg

REACH dossier information

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product contains a substance which is very toxic to aquatic organisms. 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

Ecological information on ingredients.

SODIUM CARBONATE (CAS: 497-19-8)

Acute Toxicity - Fish

LC50 96 hours 300 mg/l Lepomis macrochirus (Bluegill)
REACH dossier information

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours 200 mg/l Ceriodaphnia sp.
REACH dossier information

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)

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 to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with 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

General The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

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 MARPOL73/78 and the IBC Code

Not applicable.

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	02-2008

Risk Phrases In Full

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.