



SAFETY DATA SHEET

HEAVY DUTY CLEANER - SUPER CONCENTRATE

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 CLEANER - SUPER CONCENTRATE
Product No. FHSB3, 040407

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

Identified uses Detergent. For professional use only.
Uses advised against Not for direct contact with Food or Beverage stuffs. Not for oral consumption.

1.3. Details of the supplier of the safety data sheet

Supplier PRIME SOURCE
PO BOX 15247
BIRMINGHAM
B22 3HN
+44 (0) 7039 401 465
info@prime-source.co.uk

1.4. Emergency telephone number

24 Hour Medical Emergency Telephone Number (+44) 0870 190 6777 This product is registered with the NPIS. UK Environment Agency
24hour Advisory Service 0800 807060. Irish Environmental Protection Agency 1890 335599.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

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

2.2. Label elements

Contains SODIUM HYDROXIDE

Detergent Labelling: < 5% anionic surfactants
EDTA and salts thereof
non-ionic surfactants

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

This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

HEAVY DUTY CLEANER - SUPER CONCENTRATE

SODIUM HYDROXIDE			1-5%
CAS-No.: 1310-73-2	EC No.: 215-185-5	Registration Number: 01-2119457892-27	
Classification (EC 1272/2008) Skin Corr. 1A - H314		Classification (67/548/EEC) C;R35	

SODIUM ALKYL ETHER SULPHATE			1-5%
CAS-No.: 68891-38-3	EC No.: 500-234-8	Registration Number: 01-2119488639-16	
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Dam. 1 - H318		Classification (67/548/EEC) Xi;R36/38.	

2-(2-BUTOXYETHOXY)ETHANOL			1-5%
CAS-No.: 112-34-5	EC No.: 203-961-6	Registration Number: 01-2119475104-44	
Classification (EC 1272/2008) Eye Irrit. 2 - H319		Classification (67/548/EEC) Xi;R36	

ETHYLENEDIAMINETETRAACETIC ACID TETRASODIUM SALT			1-5%
CAS-No.: 64-02-8	EC No.: 200-573-9	Registration Number: 01-2119486762-27	
Classification (EC 1272/2008) Met. Corr. 1 - H290 Acute Tox. 4 - H302 Acute Tox. 4 - H332 Eye Irrit. 2 - H319		Classification (67/548/EEC) Xn;R20,R22. Xi;R41.	

ALKYL DI-METHYL AMINE OXIDE			< 1%
CAS-No.: 70592-80-2	EC No.: 274-687-2	Registration Number: 01-2119490061-47	
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Acute 1 - H400		Classification (67/548/EEC) Xi;R38,R41. N;R50.	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Product name HEAVY DUTY CLEANER - SUPER CONCENTRATE

Composition Comments

To the best of our knowledge, all of the substances used in this product are being supported for the relevant application in REACH.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information

When it is safe to do so, remove victim immediately from source of exposure. However, consideration should be given as to whether moving the victim will cause further injury.

Inhalation

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. If breathing stops, provide artificial respiration. Get medical attention if any discomfort continues.

Ingestion

DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Place unconscious person on the side in the recovery position and ensure breathing can take place. Get medical attention.

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Skin contact

Remove contaminated clothing that is not adhered to the skin. Flush area with clean water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Eye contact

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

General information

Neat product may cause chemical burns and permanent eye damage. Dilute product may cause irritation to the skin and eyes.

Inhalation.

Inhalation of neat product is unlikely. However, inhalation of mists or vapours of diluted product may result in soreness, irritation or burns to the mouth, nose and respiratory tract.

Ingestion

Unlikely route of exposure without deliberate abuse. If neat chemical is ingested, chemical burning of mouth, throat and GI tract will occur. If dilute chemical is ingested, soreness of mouth, throat and GI tract may occur together with redness and blistering.

Skin contact

May cause serious chemical burns to the skin.

Eye contact

May result in permanent eye damage.

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

Notes to the physician

Contains Surfactants, Chelants and Sodium Hydroxide in Aqueous solution. Rinse well with water to neutral pH.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

The product is non-combustible. Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Unusual Fire & Explosion Hazards

In contact with some metals (Aluminium, Zinc and their Alloys) Hydrogen Gas is formed, which may form an explosive mixture with air.

Specific hazards

The product is non-combustible. If heated, corrosive vapours may be formed.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Protective clothing and respiratory protection should be worn when tackling fires involving this product. 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

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

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. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

6.4. Reference to other sections

See sections 8, 12 & 13

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Wear full protective clothing for prolonged exposure and/or high concentrations. Read and follow manufacturer's recommendations.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original container. Keep containers tightly closed. Store in a cool and well-ventilated place. Keep above chemical's freezing (melting) point. Store in a demarcated bunded area to prevent release to drains and/or watercourses.

7.3. Specific end use(s)

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Detergent, refer to Product Information Sheet for full details.

Usage Description

This product is suitable for use in food preparation areas, but is not designed for direct food contact.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
2-(2-BUTOXYETHOXY)ETHANOL	WEL	15 ppm	101.2 mg/m ³	10 ppm	67.5 mg/m ³	
SODIUM HYDROXIDE	WEL				2 mg/m ³	

WEL = Workplace Exposure Limit.

Ingredient Comments

The Long Term WEL refers to total exposure of a worker to a specific substance averaged out over an 8 hour period.

The Short Term WEL refers to a single exposure of a worker to a specific substance over a 15 minute period.

If the Short Term WEL is exceeded and no Long Term Limit is set, further exposure during the working shift is not permitted. Further controls should be implemented to ensure that future exposure to the substance is reduced below the levels set before the activity is repeated/continued.

Where no Short Term WEL exists, guidance from the HSE is to use a value of three times the Long Term WEL.

The WEL limits are laid down in the EH40 list as supplied by the HSE. This is taken from the Chemical Agents Directive (98/24/EC). Where a worker is exposed to levels approaching a limit, further exposure control measures should be considered to reduce exposure to the substance.

DNEL information is supplied by manufacturers of substances in accordance with REACH legislation (Regulation (EC) No 1907/2006), and is used to provide suitable risk reduction measures to limit exposure of the user of the substance to a non hazardous level. If the measurement result from the air monitoring divided by the DNEL is greater than 1, then further exposure controls should be implemented as described in section 8.2.

Where new information becomes available under REACH, this will be passed on as revisions to the Safety Data Sheet.

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SODIUM HYDROXIDE (CAS: 1310-73-2)

DNEL

Industry	Inhalation.	Long Term	Local Effects	1.0 mg/m3
Industry	Dermal	Short Term	Local Effects	2%

DNEL data for Professional users is not yet available, but it is assumed to be the same as for Industrial users.

PNEC

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No information is available for PNEC data for Sodium Hydroxide

2-(2-BUTOXYETHOXY)ETHANOL (CAS: 112-34-5)

DNEL

Professional	Inhalation.	Long Term	Systemic Effects	7.5 mg/m3
Professional	Dermal	Long Term	Systemic Effects	10 mg/kg/day
Professional	Inhalation.	Long Term	Systemic Effects	5 mg/m3
Professional	Oral	Long Term	Systemic Effects	1.3 mg/kg/day

PNEC

Freshwater	1	mg/l
Sediment (Freshwater)	4	mg/kg
Intermittent release	3.9	mg/l
Sediment (Marinewater)	0.4	mg/kg
Marinewater	0.1	mg/l
STP	200	mg/l

ETHYLENEDIAMINETETRAACETIC ACID TETRASODIUM SALT (CAS: 64-02-8)

DNEL

Professional	Inhalation.	Long Term	Systemic Effects	2.5 mg/m3
Professional	Inhalation.	Long Term	Local Effects	2.5 mg/m3
Professional	Inhalation.	Short Term	Systemic Effects	2.5 mg/m3
Professional	Inhalation.	Short Term	Local Effects	2.5 mg/m3

PNEC

Freshwater	2.2	mg/l
Marinewater	0.22	mg/l
Intermittent release	1.2	mg/l
Soil	0.72	mg/kg
STP	43	mg/kg

SODIUM ALKYL ETHER SULPHATE (CAS: 68891-38-3)

DNEL

Professional	Oral	2750	mg/kg/day
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PNEC

Professional	Freshwater	0.24	mg/l
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ALKYL DI-METHYL AMINE OXIDE (CAS: 70592-80-2)

DNEL

Professional	Dermal	11	mg/kg/day
Professional	Inhalation.	15.5	

PNEC

Freshwater	.0335	mg/l
Marinewater	0.00335	mg/l
Soil	1.02	mg/kg

8.2. Exposure controls

Protective equipment



Process conditions

Where possible replace manual processes with automated or closed processes to minimise contact with the product.

Engineering measures

Provide adequate general and local exhaust ventilation.

Respiratory equipment

Respiratory protection must be used if the general levels of Sodium Hydroxide in the atmosphere exceed the Work Place Exposure Limit.

Hand protection

Rubber, neoprene or PVC.

Eye protection

Wear full-face visor or shield. Refer to EN Standard 166 to select appropriate level of protection.

Other Protection

Provide eyewash station. Wear suitable protective clothing as protection against splashing or contamination. If a risk assessment indicates direct contact through splashes or spillage is likely, a full chemical resistant suit should be used.

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Hygiene measures

Promptly remove non-impervious clothing that has become contaminated, provided it is not adhered to the skin.

Environmental Exposure Controls

Do not allow the substance to contaminate surface water/ground water. See points 6, 12 & 13.

Users of this product should consult local drainage and permitting authorities to ensure that any restrictions or discharge consents are adhered to.

General Health and Safety Measures.

The above requirements refer to the neat product. A 5% solution of this product would not be classified. However, we would recommend eye protection if there is a risk of splashing, also use of gloves.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Red.
Odour	Detergent
Solubility	Soluble in water.
Relative density	1.05 @ 20 Degrees C
pH-Value, Conc. Solution	>13
pH-Value, Diluted Solution	11 - 12
Flash point	
Not applicable.	Contains no Flammable Components

Partition Coefficient (N-Octanol/Water)

Technically not feasible.

Not technically practical for mixtures.

Oxidising properties

Not applicable.

Contains no Oxidising Components.

9.2. Other information

Particle Size (Micron)

Not applicable.

Explosive Properties Not Classified as Explosive

Storage Temperature Range 0 to 40 Degrees C

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Not expected to react when correctly stored and used. Mixing with other chemicals may produce unexpected reactions. The solution is strongly alkaline and reacts with strong acids with heat generation.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use. - See note 10.6.

10.3. Possibility of hazardous reactions

Refer to section 10.1.

10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials To Avoid

Strong acids.

Reaction with Aluminium, Zinc, Tin, Copper or their alloys produces flammable Hydrogen Gas.

10.6. Hazardous decomposition products

None under normal conditions. - See section 10.5.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

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Carcinogenicity:

The components of this formulation will not be systemically available in the body under normal conditions of handling. As a consequence it is not expected to cause cancer.

Reproductive Toxicity:

The components of this formulation will not be systemically available in the body under normal conditions of use and handling. As a consequence it is not expected to be toxic to the reproductive system or developing foetus.

Inhalation

Unlikely route of exposure. Inhalation of sprayed droplets may result in soreness of the throat, mouth and nose. - See section 4.2.

Ingestion

Causes severe burns. May cause chemical burns in mouth, oesophagus and stomach.

Skin contact

Causes severe burns.

Eye contact

Risk of serious damage to eyes. May cause permanent eye injury.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

This product is not classified as hazardous to the environment. However it contains a component (or components) that is (are) classified as very toxic to the aquatic environment in their neat form. Normal use is unlikely to pose a risk to the environment.

12.1. Toxicity

Normal use of diluted product is unlikely to pose a risk. See note 12.0.

12.2. Persistence and degradability

Degradability

The surfactant(s) used in this preparation complies (comply) with the biodegradability criteria as laid down in the European Detergents Regulation No 648/2004 as amended.

12.3. Bioaccumulative potential

Bioaccumulative potential

Not expected to Bioaccumulate.

Partition coefficient

Technically not feasible.

Not technically practical for mixtures.

12.4. Mobility in soil

Mobility:

The product contains substances, which are water soluble and may spread in water systems.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

HEAVY DUTY CLEANER - SUPER CONCENTRATE

UN No. (ADR/RID/ADN) 1824
 UN No. (IMDG) 1824
 UN No. (ICAO) 1824

14.2. UN proper shipping name

Proper Shipping Name SODIUM 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



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

Not applicable.

SECTION 15: REGULATORY INFORMATION

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

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.
 Regulation (EU) No 435/2010.
 Dangerous Preparations Directive 1999/45/EC.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

HEAVY DUTY CLEANER - SUPER CONCENTRATE

Abbreviations and acronyms used in the safety data sheet

NPIS - National Poisons Information Service.

vPvB - Very Persistent, Very bioaccumulative.

PBT - Persistent, Bioaccumulative & Toxic.

REACH - Registration, Evaluation, Authorisation & restriction of CHemicals (Regulation EC 1907/2006).

DNEL - Derived No Effect Limit.

PNEC - Predicted No Effect Concentration.

COSHH - Control of Substances Hazardous to Health.

Industry - Refers in section 8 to application of the substance in an industrial process.

Professional - Refers in section 8 to application/use of the preparation/product in a skilled trade premises.

General information

This document is a Safety Data Sheet, NOT a CoSHH assessment. It is the customer's responsibility to conduct a full CoSHH assessment, taking into account the information held within this document along with other local factors considered in a risk assessment.

The Risk and Hazard statements listed below are the full text of abbreviations used in this document. They are not the final classification, for this refer to section 2.

Revision Comments

This is first issue.

Revision Date 16th Jan 2013

Risk Phrases In Full

R34	Causes burns.
R35	Causes severe burns.
R20	Harmful by inhalation.
R22	Harmful if swallowed.
R36/38	Irritating to eyes and skin.
R36	Irritating to eyes.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
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.
H290	May be corrosive to metals.
H400	Very toxic to aquatic life.

REACH extended MSDS comments

REACH requires that persons handling chemicals should take the necessary risk management measures, in accordance with assessments from manufacturers and importers of chemical substances. The relevant recommendations must be passed along the supply chain. These assessments are generally reported in Exposure Scenarios.

Where Exposure Scenarios have been provided for substances used in this product, the relevant information is incorporated into the safety data sheet.

Disclaimer

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.