SAFETY DATA SHEET
MULTIPURPOSE CLEANER - SUPER CONCENTRATE

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product name: MULTIPURPOSE CLEANER - SUPER CONCENTRATE

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
Emergency telephone: 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
Physical hazards: Not Classified
Health hazards: Skin Irrit. 2 - H315 Eye Dam. 1 - H318
Environmental hazards: Aquatic Acute 1 - H400

2.2. Label elements
Pictogram

Signal word: Danger
Hazard statements: H315 Causes skin irritation.
H400 Very toxic to aquatic life.
H318 Causes serious eye damage.
MULTIPURPOSE CLEANER - SUPER CONCENTRATE
P273 Avoid release to the environment.
P280 Wear protective clothing, gloves, eye and face protection.
P302+P352+P332+P313 IF ON SKIN: Wash with plenty of water: If skin irritation occurs: Get medical advice/attention.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+P352+P332+P313 IF ON SKIN: Wash with plenty of water: If skin irritation occurs: Get medical advice/attention.
P313 Get medical advice/attention.
P501 Dispose of contents/container in accordance with national regulations.
Contains
ISO TRIDECANOL ALCOHOL ETHOXYLATE
Detergent labelling
< 5% amphoteric surfactants, < 5% cationic surfactants, < 5% EDTA and salts thereof, < 5% non-ionic surfactants, < 5% phosphates, < 5% phosphonates
Supplementary precautionary statements
P404 Store in a closed container.
2.3. Other hazards
This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

ISO TRIDECANOL ALCOHOL ETHOXYLATE
CAS number: 69011-36-5
EC number: 931-138-8
REACH registration number: 02-2119552461-55-0000

Classification
Eye Dam. 1 - H318
Aquatic Chronic 3 - H412

Classification (67/548/EEC or 1999/45/EC)
Xi;R41.

ETHYLENEDIAMINETETRAACETIC ACID TETRASODIUM SALT
CAS number: 64-02-8
EC number: 200-573-9
REACH registration number: 01-2119486762-27

Classification
Acute Tox. 4 - H302
Acute Tox. 4 - H332
Eye Dam. 1 - H318

Classification (67/548/EEC or 1999/45/EC)
Xn;R20,R22. Xi;R41.

ALKYL BENZYL DIMETHYL AMMONIUM CHLORIDE
CAS number: 68424-85-1
EC number: 270-325-2

Classification
Acute Tox. 4 - H302
Acute Tox. 4 - H312
Skin Corr. 1B - H314
Aquatic Acute 1 - H400

Classification (67/548/EEC or 1999/45/EC)
Xn;R21/22. C;R34. N;R50.

TETRAPOTASSIUM PYROPHOSPHATE
CAS number: 7320-34-5
EC number: 230-785-7
REACH registration number: 01-2119489369-18-0000

Classification
Eye Irrit. 2 - H319

Classification (67/548/EEC or 1999/45/EC)
Xi;R36.
MULTIPURPOSE CLEANER - SUPER CONCENTRATE

BETA-ALANINE, N-(2 CARBOXYETHYL)-N-DODECYL MONO SODIUM SALT

<table>
<thead>
<tr>
<th>CAS number: 90170-43-7</th>
<th>EC number: 290-476-8</th>
</tr>
</thead>
</table>

Classification (67/548/EEC or 1999/45/EC)
Eye Irrit. 2 - H319
Xi;R36.

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

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 affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues. If breathing stops, provide artificial respiration.

Ingestion
Do not induce vomiting. Rinse mouth thoroughly with water. Place unconscious person on the side in the recovery position and ensure breathing can take place. Get medical attention.

Skin contact
Remove contaminated clothing that is not stuck to the skin. Flush area with clean water. Get medical attention if any discomfort continues.

Eye contact
Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. 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 irritation to skin and eyes. Dilute chemical may result in mild irritation to skin. Contact of dilute chemical with eyes should still be treated as outlined above.

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

Ingestion
Unlikely route of exposure without deliberate abuse. If dilute chemical is ingested some soreness of the mouth, throat and GI tract may occur. If neat chemical is ingested, irritation of the mouth, throat and GI tract may occur.

Skin contact
Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. Chemical burns are possible after prolonged contact.

Eye contact
May cause irritation to the eyes. May result in permanent eye damage.

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

Notes for the doctor
Contains Chelating Agents and Surfactants in Aqueous Solution. Rinse well with water.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
The product is non-combustible. Use fire-extinguishing media suitable for the surrounding fire.
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5.2. Special hazards arising from the substance or mixture

Specific hazards
The product is non-combustible. On heating irritating fumes may be formed.

5.3. Advice for firefighters

Protective actions during firefighting
Protective clothing and respiratory protection should be worn when tackling fires involving this product. Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters
Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

Environmental precautions
Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Avoid or minimise the creation of any environmental contamination.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up
Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Collect and place in suitable waste disposal containers and seal securely. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. For waste disposal, see Section 13.

6.4. Reference to other sections

Reference to other sections
See sections 8, 12 & 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions
Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist. Read and follow manufacturer's recommendations.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions
Keep only in the original container. Store in a demarcated bunded area to prevent release to drains and/or watercourses. Store away from:- Chlorinated materials Store between 0 and 40 Degrees C.

7.3. Specific end use(s)

Specific end use(s)
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

Occupational exposure limits

Ingredient comments
DNEL and/or PNEC 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
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non hazardous level. If the measured level of exposure by a route divided by the DNEL for the route is greater than 1, then further exposure controls should be implemented as described in section 8.2.

Where an exposure level is quoted, a risk assessment should consider if there is a need to monitor the atmosphere of the working environment. Results should be compared against the WEL and/or DNEL information provided.

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

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
- Fresh water; 2.2 mg/l
- Marine water; 0.22 mg/l
- Intermittent release; 1.2 mg/l
- Soil; 0.72 mg/kg
- STP; 43 mg/kg

8.2. Exposure controls

Protective equipment

Provide adequate general and local exhaust ventilation.

Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

Personal protection

The PPE indicated above is not a COSHH assessment. It represents PPE that should be considered during the manufacture, distribution, use and final disposal stages of this product's life cycle. It is the responsibility of employers to conduct a COSHH/risk assessment to determine appropriate PPE levels. The information given below should be used to support this assessment. Where possible replace manual processes with automated or closed processes to minimise contact with the product.

Eye/face protection

If risk of splashing, wear safety goggles or face shield. Refer to EN Standard 166 to select appropriate level of protection.

Hand protection

Rubber (natural, latex). Polyvinyl chloride (PVC).

Refer to Standard EN 374. Neoprene.

Other skin and body protection

Provide eyewash station. Wear suitable protective clothing as protection against splashing or contamination. Reference to EN 13832-3 and EN 943-1 is useful when selecting footwear and clothing.

Hygiene measures

Promptly remove non-impervious clothing that has become contaminated, provided it is not adhered to the skin. Wash contaminated clothing before reuse. Provide eyewash station and safety shower.

Respiratory protection

In the case of dust or aerosol formation (eg spraying), or vapour from hot vessels, use respiratory protection with an approved filter (P2).

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. We believe that cationic component(s) of this formulation represent the greatest ecotox risk. As information becomes available it will be included in section 12 of the MSDS.

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General Health and Safety Measures.

A full Risk Assessment should be carried out before handling any chemical(s). Risk Assessments should refer to COSHH, and any other relevant legislation or industry specific guidelines governing the use of chemicals.

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.

Alkyl Benzyl Dimethyl Ammonium Chloride has been linked to skin sensitisation by prolonged or repeated exposure. Use of gloves is recommended.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance
Clear liquid.

Colour
Green.

Odour
Detergent.

Odour threshold
Not applicable.

pH
pH (diluted solution): 7.5 - 8.5 @ 1%

Melting point
~ 0 degrees C

Initial boiling point and range
Not applicable.

Flash point
Not applicable. Contains no Flammable Components

Evaporation rate
Not applicable.

Evaporation factor
Not applicable.

Flammability (solid, gas)
Not flammable

Upper/lower flammability or explosive limits
Not applicable.

Other flammability
Not applicable.

Vapour pressure
Not applicable.

Vapour density
Not applicable.

Relative density
1.03 @20 Degrees C

Bulk density
Not applicable.

Solubility(ies)
Soluble in water.

Partition coefficient
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Not applicable. Not technically practical for mixtures.

**Auto-ignition temperature**
Not applicable.

**Decomposition Temperature**
Not applicable.

**Viscosity**
Not determined.

**Explosive properties**
Not applicable.

**Explosive under the influence of a flame**
Not considered to be explosive.

**Oxidising properties**
Not applicable. Contains no Oxidising Components.

### 9.2. Other information

**Refractive index**
Not applicable.

**Particle size**
Not applicable.

**Molecular weight**
Not applicable.

**Volutility**
Not applicable.

**Saturation concentration**
Not applicable.

**Critical temperature**
Not applicable.

**Volatile organic compound**
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.

#### 10.2. Chemical stability

**Stability**
Stable at normal ambient temperatures and when used as recommended. - See note 10.6.

#### 10.3. Possibility of hazardous reactions

- Refer to section 10.5.

#### 10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time.

#### 10.5. Incompatible materials

**Materials to avoid**

Do not mix with Hypochlorite based chemicals this could result in a hazardous reaction producing heat, CO2 and O2.

#### 10.6. Hazardous decomposition products
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Does not decompose when used and stored as recommended. - See section 10.5.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

**Acute toxicity - oral**

ATE oral (mg/kg)

26,500.0

**Acute toxicity - dermal**

ATE dermal (mg/kg)

26000.0

**Acute toxicity - inhalation**

ATE inhalation (dusts/mists mg/l)

49.34210526

**Respiratory sensitisation**

No evidence of respiratory sensitisation for any component of this formulation.

**Skin sensitisation**

Alkyl Benzyl Dimethyl Ammonium Chloride has been linked to skin sensitisation by prolonged or repeated exposure. Use of gloves is recommended.

**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**

**Reproductive toxicity - fertility**

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.

**General information**

See section 4.2.

**Inhalation**

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

**Ingestion**

Will cause severe irritation to mouth, throat and GI-Tract.

**Skin contact**

Irritating to skin.

**Eye contact**

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

SECTION 12: Ecological Information

**Ecotoxicity**

This product is classified as very toxic to aquatic life, this refers to the neat product. Normal use is not expected to pose a risk.

12.1. Toxicity

Normal use is not expected to pose an ecological risk.

**Acute toxicity - fish**

Very toxic to aquatic organisms. See note 12.0.

To the best of our current knowledge, the main ecotoxicological effect is due to the Alky Benzyl Dimethyl Ammonium Chloride, for which :-

The EC50/48h value for Daphnia is 0.03mg/l.

The EC50/96h value for Selenastrum capricornutum is 0.06mg/l.
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The LC50/96h value for Rainbow Trout is 1.7 mg/l.
Behaviour in sewage processing plants - EC20 / 0.5hr = 10mg/l (Activated Sludge).

12.2. Persistence and degradability

Persistence and 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

Not expected to bioaccumulate.

Partition coefficient
Not applicable. 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 substances classified as PBT or vPvB.

12.6. Other adverse effects

Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information
When handling waste, the safety precautions applying to handling of the product should be considered. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. Do not mix with other chemicals.

Disposal methods
Small volumes of use solution can be disposed of to sewers.

SECTION 14: Transport information

14.1. UN number

| UN No. (ADR/RID) | 3082 |
| UN No. (IMDG)   | 3082 |
| UN No. (ICAO)   | 3082 |

14.2. UN proper shipping name

| Proper shipping name (ADR/RID) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALCOHOL ETHOXYLATE, ALKYL BENZYL DIMETHYL AMMONIUM CHLORIDE) |
| Proper shipping name (IMDG)    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALCOHOL ETHOXYLATE, ALKYL BENZYL DIMETHYL AMMONIUM CHLORIDE) |
| Proper shipping name (ICAO)    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALCOHOL ETHOXYLATE, ALKYL BENZYL DIMETHYL AMMONIUM CHLORIDE) |
| Proper shipping name (ADN)     | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALCOHOL ETHOXYLATE, ALKYL BENZYL DIMETHYL AMMONIUM CHLORIDE) |

14.3. Transport hazard class(es)

| ADR/RID class | 9 |
| ADR/RID subsidiary risk | 9 |
| ADR/RID label | 9 |
| IMDG class    | 9 |
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IMDG subsidiary risk
ICAO class/division 9
ICAO subsidiary risk

Transport labels

14.4. Packing group
ADR/RID packing group III
IMDG packing group III
ICAO packing group III

14.5. Environmental hazards
Environmentally hazardous substance/marine pollutant

Yes.

14.6. Special precautions for user
EmS F-A, S-F
Emergency Action Code •3Z
Hazard Identification Number (ADR/RID) 90
Tunnel restriction code (E)

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

15.2. Chemical safety assessment
No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet
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.
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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

Review in line with CLP Regulation.

Revision date: 01/07/2014

Risk phrases in full

R20 Harmful by inhalation.
R21/22 Harmful in contact with skin and if swallowed.
R22 Harmful if swallowed.
R34 Causes burns.
R36 Irritating to eyes.
R36/38 Irritating to eyes and skin.
R41 Risk of serious damage to eyes.
R50 Very toxic to aquatic organisms.

Hazard statements in full

H290 May be corrosive to metals.
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.
H400 Very toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.

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.