



PROFESSIONAL CLEANING PRODUCTS

PRODUCT INFORMATION SHEET

SHIFT

HEAVY DUTY DEGREASER

PRODUCT INFORMATION:

Highly concentrated hard surface cleaner designed for use on Food Preparation Surfaces, Chopping Boards, Cabinets, Slicers, Mincers, Bain Mariés, Sinks, Tables, Worktops Floors, Walls, Canopies, Microwaves, Grills, Salamanders, Cooker Tops, etc. to cut through grease & grime

ADVANTAGES:

POWERFUL SOIL
REMOVAL:

Contains a blend of alkalis, sequestering agent, wetting and emulsifying agents, which enables it to penetrate, emulsify and remove grease and grime quickly and efficiently even in hard water areas

FAST ACTING AND
VERSATILE:

Shift will begin to emulsify oils & fats within minutes of application and can be applied easily by spray or mop on all hard surfaces.

COST EFFECTIVE
CONCENTRATED
DILUTION:

Concentrated solution should be diluted at 30mls to 730mls water therefore reducing & controlling costs
166 x 750ml Trigger Spray Bottles per 5Lt

EASILY RINSED:

Shift can be wiped or rinsed away easily leaving a hygienically clean surface with no streaks or stains

BIODEGRADABLE:

Fully biodegradable.

SOLUBILITY:

100% soluble in water.

DIRECTIONS FOR USE:

Dilute 1:25 (or 30mls in a 750ml trigger spray bottle) with potable water. Apply by spray, mop, brush, sponge or mechanical cleaner. Allow a few moments contact time before wiping off. Rinse well after use when diluted less than 1:25. Do not mix with other detergents. (1 x 5Lt = 166 x 750ml Trigger spray bottles)

HEALTH AND SAFETY: See Safety Data Sheet.

PACKAGING:

All our plastic drums are high molecular weight; high-density polyethylene designed to bring the product to the customer in perfect conditions.

Size: 750ml RTU & 5Lt Drums

QUALITY ASSURANCE:

2.3. Other hazards N/A

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.2. Mixtures**

SODIUM HYDROXIDE CAS-No.: 1310-73-2 EC No.: 215-185-5	0-1%
Classification (EC 1272/2008) Skin Corr. 1A - H314	
DISODIUM METASILICATE PENTAHYDRATE CAS-No.: 10213-79-3 EC No.: 229-912-9	1-5%
Classification (EC 1272/2008) Metal Corr. 1 – H290 Skin Corr. 1B - H314 STOT SE 3 - H335	
ALCOHOL ETHOXYLATE CAS-No.: 68439-45-2 EC No.:	1-5%
Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Dam. 1 - H318 Aquatic Acute 1 - H400	
TETRASODIUM ETHYLENE DIAMINE TETRAACELATE CAS-No.: 64-02-8 EC No.: 200-573-9	5-10%
Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Dam. 1 - H318	
2-BUTOXYETHANOL CAS-No.: 111-76-2 EC No.: 203-905-0	1-5%
Classification (EC 1272/2008) Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	
ALKYLAMINE DICARBOXYLATE CAS-No.:90170-43-7 EC No.: 290-476-8	5-10%
Classification (EC 1272/2008) Eye Irrit. 2 - H319	
COCAMIDOPROPYL HYDROXYSULTAINE CAS-No.: 68139-30-0 EC No.: 268-761-3	5-10%
Classification (EC 1272/2008) Eye Irrit. 2 - H319	

A Full Text for all Hazard Statements are Displayed in Section 16

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SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation:	Remove immediately from source to fresh air. Obtain medical attention if any discomfort continues.
Skin Contact:	Remove contaminated clothing & rinse skin thoroughly with soap & water. Obtain medical attention if irritation persists.
Eye Contact:	Flush eyes with water immediately. Obtain medical attention immediately
Ingestion:	DO NOT INDUCE VOMITING! Drink a few glasses of water or milk. Get medical attention if any discomfort continues.
Protection of first aider:	Avoid ingestion, contact with skin and eyes (see Section 8.)

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

Inhalation:	Spray mists may cause respiratory tract irritation.
Ingestion:	May cause internal injury, pain and/or vomiting
Skin contact:	Corrosive to skin. May burn the skin after prolonged contact
Eye contact:	Damaging to eyes, may lead to the product affecting the natural lubrication of the eye & cause redness &/or tearing

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: FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Media:	Water, Foam.
5.2 Unsuitable:	N/A
5.3 Specific Hazards:	Does not present any particular risk in the event of fire.
5.4 Special Equipment for the protection of Fire Fighters:	Fire fighters should wear self-contained breathing apparatus & body protective clothing

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions:	Avoid contact with skin and eyes (see Section 8.)
6.2 Environmental Precautions:	No special measures required
6.3 Methods for Cleaning up:	Small Spills - Flush with water. Large Spills - Contain and collect spillage and absorb on to sand.

SECTION 7: HANDLING AND STORAGE

7.1 Handling

Technical Measures:	No special measures required.
Safe Handling Advice:	Avoid ingestion, contact with eyes and skin. Comply with instructions for use.

7.2 Storage

Technical Measures:	No special measures required.
Storage Conditions:	Store in a cool dry place.
Incompatible Products:	Acids, Strong Oxidizing Agents.
Packaging:	Plastic Drums.
Packaging Materials:	Recommended: Plastic Materials, Polyethylene, Polypropylene. Not Suitable - Uncoated Metal Drums.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters:

Name	STD	Occupational Exposure Limit Value (8-hour reference period)		Occupational Exposure Limit Value (15 minute reference period)		Notes
		ppm	mg/m3	ppm	mg/m3	
Sodium Hydroxide	OELV	-		-	2	
Disodium Metasilicate Pentahydrate	OELV				2	
2 Butoxyethanol	OELV	20	98	50	246	Sk, IOELV

OELV = Occupational Exposure Limit Value.

8.2 Personal Protection Equipment:



Respiratory Protection:
Hand Protection:



Eye Protection:



Skin Protection:

Provide adequate ventilation in areas of confined space.
Use Chemical Resistant Gloves to EN Standard 374 Level 1, Letter Code K
Use Chemical Goggles or Face Shield to EN Standard 166 Level 3 or higher
Wear Plastic Apron EN Standard 13034 Type PB[6] & Face Shield EN Standard 166 Level 3 or higher

8.3 Hygiene Measures:

Handle in accordance with good industrial hygiene and safety practices.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

a)	Appearance:	Yellow Liquid
b)	Odour:	Slight chemical
c)	Odour threshold:	N/A
d)	pH:	13+/-0.5 undiluted
e)	Melting point / freezing point:	No data available
f)	Initial boiling point & boiling range:	No data available
g)	Flash point:	No data available
h)	Evaporation rate:	No data available
i)	Flammability solid, gas):	No data available
j)	Upper/lower flammability or explosive limits:	No data available
k)	Vapour pressure:	No data available
l)	Vapour density:	No data available
m)	Relative density:	1.07kg/dm3
n)	Solubility(ies):	Soluble in Water
o)	Partition coefficient: n-octanol/water:	No data available
p)	Auto-ignition temperature:	No data available
q)	Decomposition temperature:	No data available
r)	Viscosity:	No data available

s) Explosive properties:

No data available

t) Oxidising properties:

No data available

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SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:

There are no known reactivity hazards associated with this product.

10.2. Chemical stability:

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions:

Hazardous Polymerisation N/A

10.4. Conditions to avoid:

Avoid Extreme Temperatures. Avoid contact with acids &/or oxidising agents.

10.5. Incompatible materials:

Acids &/or oxidizing agents

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 internal injury, pain and/or vomiting

Skin contact: Corrosive to skin. May burn the skin after prolonged contact

Eye contact: Damaging to eyes, may lead to the product affecting the natural lubrication of the eye & cause redness &/or tearing

11.2. Toxicological information on ingredients:

SODIUM HYDROXIDE (CAS: 1310-73-2)

Acute Toxicity (Dermal LD50)

1350 mg/kg Rabbit

IUCLID chemical data sheet.

TETRASODIUM ETHYLENE DIAMINE TETRAACELATE CAS-No.: 64-02-8

Acute Toxicity (Oral LD50)

1000 - 2000 mg/kg (rat)

REACH dossier information

Acute Toxicity

No skin irritation (rabbit)

OECD Test Guideline 404

Acute Toxicity

Eye irritation (rabbit)

OECD Test Guideline 405

ALCOHOL ETHOXYLATE (CAS: 68439-45-2)

Acute Toxicity (Oral LD50)

> 5000 mg/kg Rat

Acute Toxicity (Dermal LD50)

> 2000 mg/kg Rat

Acute Toxicity (Inhalation LC50)

> 1.6 mg/l (dust/mist) Rat 4 hours

REACH dossier information

2-BUTOXYETHANOL CAS-No.: 111-76-2

Acute Toxicity (Oral LD50)

1746 mg/kg Rat

Acute Toxicity (Dermal LD50)

0.63 mL/kg Rabbit

Acute Toxicity (Inhalation LC50)

450 ppm (vapours) Rat 4 hours

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SECTION 12: ECOLOGICAL INFORMATION

Eco-toxicity

This product is Readily Biodegradable and not expected to be hazardous to the environment.

12.1. Toxicity

Ecological information on ingredients:

SODIUM HYDROXIDE (CAS: 1310-73-2)

Acute Toxicity - Fish

LC50 96 hours 45.4 mg/l *Onchorhynchus mykiss* (Rainbow trout)

IUCLID chemical data sheet.

TETRASODIUM ETHYLENE DIAMINE TETRAACELATE CAS-No.: 64-02-8

Acute Toxicity - Fish :

LC50 96 hours > 500 mg/l *Leuciscus idus* (Golden orfe)

EC50 Static Test > 100 mg/l (*Lepomis macrochirus*)

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours >100mg/l *Daphnia magna*

EC50 24 hours 1033 mg/l *Daphnia magna*

Method: OECD 202

Acute Toxicity - Algae :

EC50 72 hours > 100 mg/l *Desmodesmus subspicatus* (green algae)

Method: OECD 201

ALCOHOL ETHOXYLATE (CAS: 68439-45-2)

Acute Toxicity - Fish

LC50 96 hours 0.59 mg/l *Pleuronectes platessa*

REACH dossier information

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours 0.14 mg/l *Daphnia magna*

REACH dossier information

Acute Toxicity - Aquatic Plants

EC50 72 hours 0.75 mg/l *Selenastrum capricornutum*

REACH dossier information

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

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12.2. Persistence and degradability

Degradability: The surfactant(s) contained in this preparation 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.

Ecological information on ingredients.

ALCOHOL ETHOXYLATE (CAS: 68439-45-2)

Biodegradation. Activated sludge Degradation (72%) 28 days
REACH dossier information
The substance is readily biodegradable.

TETRASODIUM ETHYLENE DIAMINE TETRAACELATE CAS-No.: 64-02-8

Result: 5 % (activated sludge; 400 mg/l; Related to: Dissolved organic carbon (DOC); Exposure Time: 28 d)(OECD 302 B)
Kinetic data: < 1 %; 3 h
The substance is readily biodegradable

12.3. Bioaccumulative potential

No data available on bioaccumulation.

Ecological information on ingredients

ALCOHOL ETHOXYLATE (CAS: 68439-45-2)

Bioaccumulation factor
BCF 12.7 Pimephales promelas (Fat-head Minnow)
REACH dossier information

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 in accordance with local regulations. Recover, reclaim or recycle, where possible.

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SECTION 14: TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods:

REGULATIONS	CLASS
RID/ADR:	Not Classified
ICAO/IATA-DGR:	Not Classified
GGVSee/IMDG-Code:	Not Classified

14.1. UN number

N/A

14.2. UN proper shipping name

N/A

14.3. Transport hazard class(es)

N/A

14.4. Packing Group

N/A

14.5. Environmental Hazards

Environmentally Hazardous Substance/Marine Pollutant: N/A

14.6. Special precautions for user

NA

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

N/A

SECTION 15: REGULATORY INFORMATION

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

Statutory Instruments

Corresponding to Preparations Regulations S.I. No. 62 of 2004

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.

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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.

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SECTION 16: OTHER INFORMATION

Revision Comments

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

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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
H335	May cause respiratory irritation
H400	Very toxic to aquatic life

The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should therefore not be construed as guaranteeing specific properties.
