

# CLEAN SOLUTIONS LTD.

SUPERIOR PRODUCTS – SOLVING PROBLEMS

## Health and Safety Data Sheet

### 1. Identification of the Substance / Preparation and Company

1.1 Product name: PRO 40 Mfg.Prod.Code F40

1.2 Supplier: As Below.

1.3 Product Description: Concentrated Hard Surface Cleaner.

### 2. COMPOSITION/INFORMATION AND INGREDIENTS.

An aqueous alkaline blend containing non-ionic surfactants, sequesterants, emulsifiers and solubilising agents

Hazardous Ingredients:	CAS No:	% w.w.(Range):	Nature of Hazard:
2-Butoxyethanol	111-76-2	5.0 - 10.0	HARMFUL. (R20/21/22, R37). Harmful by inhalation, in contact with skin and if swallowed. Irritating to respiratory system. Can be absorbed through skin. Occupational Exposure Standard set. *
Sodium Hydroxide	1310-73-2	2.0 - 5.0	CORROSIVE. (R35) Causes severe burns. Occupational Exposure Standard (O.E.S.) set. *
Non-ionic surfactant	-	5.0 - 10.0	HARMFUL (R22, R36/R38) Harmful if swallowed. Irritating to eyes and skin.
Anionic surfactant	-	1.0 - 5.0	IRRITANT. (R36). Irritating to eyes and skin.
Trisodium nitrilo triacetate	5064-31-3	1.0 - 5.0	IRRITANT. (R36). Irritating to eyes. * Refer to Section 8 for Exposure Levels.

### 3. HAZARD IDENTIFICATION.

Product is classed as CORROSIVE under Chemicals (Hazard Information and Packaging) Regulations 1994.

Risk Phrases: 34: Causes burns.

### 4. FIRST AID MEASURES.

Eyes:	Rinse immediately with large quantities of clean water, holding eye open. Seek medical attention.
Skin:	Remove contaminated clothing, and wash before wearing. Wash affected area well with soap and irritation water. If persists seek medical attention,
Ingestion:	DO NOT INDUCE VOMITING. Give small sips of milk or water to drink and seek immediate medical attention.
Inhalation:	Move patient to fresh air, away from source of exposure. Seek medical attention if any symptoms persist.

CLEAN SOLUTIONS LIMITED

UNITS 1/1A, AVERY INDUSTRIAL ESTATE, KENWOOD ROAD, REDDISH, STOCKPORT, SK5 6PH.

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CO. REGISTRATION NO. 2139491

**5. FIRE FIGHTING MEASURES.**

Product is not flammable, however irritating fumes may be given off in the event of a fire. Treat fires with either dry chemical, foam or waterspray. Do not use waterjet.

**6. ACCIDENTAL RELEASE MEASURES.**

Spillages need to be contained to prevent entering watercourse, however small spillages can be rinsed away - use plenty of water. Absorb spillage in inert material e.g. dry sand/earth and transfer into secure plastic container(s) for disposal.

**7. HANDLING AND STORAGE.**

1. Store away from children.
2. Use only according to directions.
3. Do not mix with other chemicals.
4. Always ensure cap is replaced and tightened after use.
5. Do not store in temperatures greater than 35°C or less than 0°C.
6. Avoid using in confined or non-ventilated areas.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION.**

1. Prevent contact with eyes by wearing safety glasses if necessary and wear protective rubber gloves when handling this product.
2. Always maintain a good standard of occupational hygiene when handling chemicals.

Exposure levels according to EH40 list issued by HSE:-

Occupational Exposure Standard:	2-Butoxyethanol	L.T.E.L.	8 hours	-	25ppm
		S.T.E.L.	15 minutes	-	Not set.
	Sodium hydroxide	L.T.E.L.	8 hours	-	Not set.
		S.T.E.L.	15 minutes	-	2mg/cubic metre

**9. PHYSICAL AND CHEMICAL PROPERTIES.**

- 9.1 Appearance: Clear colourless liquid.
- 9.2 Odour: Slight of glycol.
- 9.3 pH: 13.5.
- 9.4 Density (@20°C): 1.083 kg/litre.
- 9.5 Flash Point: Not applicable.
- 9.6 Solubility in Water: Soluble.

**10. STABILITY AND REACTIVITY.**

Product is stable under normal conditions. Alkaline products react with light metals (such as aluminium, tin or zinc) with the evolution of hydrogen, which is highly flammable.

**11. TOXICOLOGICAL INFORMATION.**

No significant health hazard when properly used for the application it was designed for.

Effects due to overexposure when:

- In contact with eyes: Severe pain, redness, watering. May cause permanent damage.
- In contact with skin: Irritation/pain (also gives soapy feeling to skin). Degreases skin - may lead to redness/cracking. Prolonged contact causes damage.
- Ingested: Sore mouth/throat, abdominal pain, vomiting.
- Inhalation: Sore mouth/throat (only applicable whilst product is being sprayed).

**12. ECOLOGICAL INFORMATION.**

Product contains more than 90% biodegradable constituents.

**13. DISPOSAL CONSIDERATIONS.**

Dispose of according to local regulations.

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**14. TRANSPORT INFORMATION.**

Proper Shipping Name: CORROSIVE LIQUID, NOS (contains Sodium hydroxide and Trisodium Nitritotriacetate).  
U.N. No. : 1760 I.M.D.G. Page No: 8147  
Hazard Class. : 8 Packing Group : III

**15. REGULATORY INFORMATION.**

Product is classed as CORROSIVE under CHIP Regulations.  
Contains Sodium Hydroxide.

Risk Phrases:

34 : Causes burns.

Safety Phrases: 1/2 : Keep locked up and out of reach of children.

24/25 : Avoid contact with skin and eyes.

26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

36/37/39 : Wear suitable protective clothing, gloves and eye/face protection.

45 : In case of accident or if you feel unwell, seek medical advice immediately (show this label where possible).

**16. OTHER INFORMATION.**

The responsibility to ensure safe working conditions within the workplace remains with the user. The health hazard and general information contained within this Material Safety Data Sheet are given as a guide to the precautions required to maintain a safe work environment.

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