



# Heavy Duty Degreaser

## Safety Data Sheet


According to 1907/2006/EC, Article 31

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

<b>1.1. Product identifier</b>	
Product name	Heavy Duty Degreaser
REACH	ALL INGREDIENTS IN THIS FORMULATION HAVE BEEN REGISTERED (WHERE REQUIRED) FOR APPLICABLE USES.
<b>1.3. Details of the supplier of the safety data sheet</b>	
Company	<b>V-TUF</b> is a brand of Fenco Group Ltd
Address	Fenco Group Ltd Crofton Drive Allenby Industrial Estate Lincoln LN3 4NR United Kingdom
Website	www.V-TUF.com
Tel	01522 515767
Fax	01522 787838
Email	enquiries@v-tuf.com
<b>1.4. Emergency telephone number</b>	
Emergency telephone number	01522 515767
Company	V-TUF Helpline - Opening Hours: 7am – 5pm - Monday ~ Friday



## SECTION 2: Hazards identification

<b>2.1. Classification of the substance or mixture</b>	
2.1.1. Classification - 1999/45/EC	C; R35 Symbols: C: Corrosive.
Main hazards	Causes severe burns.
2.1.2. Classification - EC 1272/2008	Skin Corr. 1A: H314;
<b>2.2. Label elements</b>	
Hazard pictograms	 A diamond-shaped hazard pictogram with a red border. Inside the diamond, there is a black illustration of two test tubes. The liquid from the left test tube is being poured onto a surface that is on fire. The liquid from the right test tube is being poured onto a hand, which is also on fire.
Signal Word	Danger
Hazard Statement	Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Precautionary Statement: Prevention	P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/ or /if you feel unwell. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

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	P337+P313 - If eye irritation persists: Get medical advice/attention. P363 - Wash contaminated clothing before reuse.
Precautionary Statement: Storage	P405 - Store locked up.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to REQUIREMENTS OF LOCAL AUTHORITIES

### SECTION 3: Composition/information on ingredients

<b>3.2. Mixtures</b>							
<b>67/548/EEC / 1999/45/EC</b>							
<b>Chemical Name</b>	<b>Index No.</b>	<b>CAS No.</b>	<b>EC No.</b>	<b>REACH Registration Number</b>	<b>Conc. (%w/w)</b>	<b>Classification</b>	<b>M-factor</b>
trisodium nitrilotriacetate	607-620-00-6	5064-31-3	225-768-6		1 - 10%	Carc. Cat. 3; R40 Xn; R22 Xi; R36	
Sodium hydroxide	011-002-00-6	1310-73-2	215-185-5	01-2119457892-27	10 - 20%	C; R35	
COCAMIDOPROPYL BETAINE			931-296-8		1 - 10%	Xi; R41	

<b>EC 1272/2008</b>							
<b>Chemical Name</b>	<b>Index No.</b>	<b>CAS No.</b>	<b>EC No.</b>	<b>REACH Registration Number</b>	<b>Conc. (%w/w)</b>	<b>Classification</b>	<b>M-factor</b>
WATER					80 - 90%		
trisodium nitrilotriacetate	607-620-00-6	5064-31-3	225-768-6		1 - 10%	Carc. 2: H351; Acute Tox. 4: H302; Eye Irrit. 2: H319;	
Sodium hydroxide	011-002-00-6	1310-73-2	215-185-5	01-2119457892-27	10 - 20%	Skin Corr. 1A: H314;	

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COCAMIDOPROPYL BETAINE			931-296- 8		1 - 10%	Eye Dam. 1: H318; Aquatic Chronic 3: H412;	
POTASSIUM SALT OF ARYL ETHER PHOSPHATE ESTER		72283 -31-9			0.5 - 1%	Skin Irrit. 2: H315; Eye Irrit. 2: H319;	

## SECTION 4: First aid measures

4.1. Description of first aid measures	
Inhalation	Inhalation of vapour may cause shortness of breath. Move the exposed person to fresh air. Seek medical attention.
Eye contact	Causes burns. Causes severe inflammation and may damage the cornea. Seek medical attention.
Skin contact	Causes burns. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	Ingestion causes burns to the respiratory tract. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label.



## SECTION 5: Firefighting measures

<b>5.1. Extinguishing media</b>	
	Use as appropriate: Carbon dioxide (CO <sub>2</sub> ), Dry chemical, Foam.
<b>5.2. Special hazards arising from the substance or mixture</b>	
	Corrosive. Burning produces irritating, toxic and obnoxious fumes.
<b>5.3. Advice for fire-fighters</b>	
	Wear suitable respiratory equipment when necessary.

## SECTION 6: Accidental release measures

<b>6.1. Personal precautions, protective equipment and emergency procedures</b>	
	Evacuate personnel to a safe area. Wear suitable protective equipment.
<b>6.2. Environmental precautions</b>	
	Do not allow product to enter drains. Prevent further spillage if safe.
<b>6.3. Methods and material for containment and cleaning up</b>	
	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

## SECTION 7: Handling and storage

<b>7.1. Precautions for safe handling</b>	
	Avoid contact with eyes and skin.
<b>7.2. Conditions for safe storage, including any incompatibilities</b>	
	Keep in a cool, dry, well ventilated area. Keep containers tightly closed.



## SECTION 8: Exposure controls/personal protection

8.1. Control parameters		
8.1.1. Exposure Limit Values		
Sodium hydroxide	WEL 8-hr limit ppm: - WEL 15 min limit ppm: - WEL 8-hr limit mg/m3 total inhalable dust:	WEL 8-hr limit mg/m3: - WEL 15 min limit mg/m3: 2 - WEL 15 min limit mg/m3 total inhalable dust:
	WEL 8-hr limit mg/m3 total respirable dust:	- WEL 15 min limit mg/m3 total respirable dust:
DNEL: Derived no-effect level.		
		No data is available on this product.
8.2. Exposure controls		
8.2.1. Appropriate engineering controls	Not normally required	
8.2.2. Individual protection measures	Wear chemical protective clothing.	
Eye / face protection	Approved safety goggles.	
Skin protection - Handprotection	Chemical resistant gloves (PVC).	
Respiratory protection	Not normally required.	

## SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties	
Appearance	Liquid
Colour	Various
Odour	Mild
pH	13.5 NOMINAL
Initial boiling point	100

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<b>Relative density</b>	1.11 NOMINAL
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<b>Water solubility</b>	
	Slightly soluble in water.

## SECTION 10: Stability and Reactivity

<b>10.2. Chemical stability</b>	
	Stable under normal conditions.

## SECTION 11: Toxicological Information

<b>11.1. Information on toxicological effects</b>	
<b>Skin corrosion/irritation</b>	Causes burns.

## SECTION 12: Ecological information

<b>12.1. Toxicity</b>	
<b>COCAMIDOPROPYL BETAINE</b>	Daphnia EC50/48h: 21.5000 mg/l      Algae IC50/72h: 30.0000 mg/l
<b>12.2. Persistence and degradability</b>	
	DETERGENTS IN THIS FORMULATION ARE >90% BIODEGRADABLE. Inorganic materials are inherently not biodegradable however those present in this formulation/product are either of no known significant environmental hazard or are readily neutralised to form inert salts.

## SECTION 13: Disposal considerations

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<b>General information</b>	
	Dispose of in compliance with all local and national regulations.

## SECTION 14: Transport information

<b>Hazard Pictograms</b>	
	A diamond-shaped hazard pictogram with a dashed border. It shows two test tubes pouring liquid onto a surface and a hand, with flames indicating corrosion. The number '8' is at the bottom.

<b>14.1. UN number</b>	
	UN1824
<b>14.2. UN proper shipping name</b>	
	SODIUM HYDROXIDE, SOLUTION
<b>14.3. Transport hazard class(es)</b>	
ADR/RID	8
Subsidiary risk	-
IMDG	8
Subsidiary risk	-
IATA	8
Subsidiary risk	-
<b>14.4. Packing group</b>	
	II
<b>14.5. Environmental hazards</b>	
Environmental Hazards	No

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Marine Pollutant	No
<b>ADR/RID</b>	
Hazard ID	80
Tunnel Category	(E)
<b>IMDG</b>	
EmS Code	F-A-S-B
<b>IATA</b>	
Packing Instruction (Cargo)	855
Maximum Quantity	30L
Packing Instruction (Passenger)	851
Maximum Quantity	1 L

## SECTION 15: Regulatory information

### 15.2. Chemical safety assessment

No chemical Safety assessment has been carried out by the supplier.

## SECTION 16: Other information

Other information	
<b>Revision</b>	This document differs from the previous version in the following areas: 2 - Precautionary Statement: Response.
<b>Text of risk phrases in Section 3</b>	R22 - Harmful if swallowed. R35 - Causes severe burns. R36 - Irritating to eyes. R40 - Limited evidence of a carcinogenic effect. R41 - Risk of serious damage to eyes.
<b>Text of Statements in Section 3</b>	<b>Hazard</b> Acute Tox. 4: H302 - Harmful if swallowed. Eye Irrit. 2: H319 - Causes serious eye irritation. Carc. 2: H351 - Suspected of causing cancer . Skin Corr. 1A: H314 - Causes severe skin burns and eye damage. Eye Dam. 1: H318 - Causes serious eye damage. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects. Skin Irrit. 2: H315 - Causes skin irritation.

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<b>Further Information</b>	
	<p>The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.</p>