



## SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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### Special Alkaline Cleaner 446 with Rinse Aid

Revision 12

Revision date 2020-09-15

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

##### 1.1. Product identifier

Product name	Special Alkaline Cleaner 446 with Rinse Aid
Product code	QAFS326

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

Product Use	[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC35] Washing and cleaning products (including solvent based products);
Description	Mildly alkaline cleaner.

##### 1.3. Details of the supplier of the safety data sheet

Company	Superfine Manufacturing Ltd
Address	Orchardbank Industrial Estate Forfar Angus Scotland DD8 1TD
Web	www.superfine.co.uk
Telephone	Tel: 01307 463538
Fax	Fax: 01307 468505
Email	nigel@superfine.co.uk
Email address of the competent person	nigel@superfine.co.uk

##### 1.4. Emergency telephone number

Emergency telephone number	01307 463538 8.30am to 17.00pm  National Poisons Information Service: For medical advice or information you should contact your GP or NHS 111 (or NHS 24 in Scotland) on 111 (for 24 hour health advice)  If you are a healthcare professional with an enquiry please visit <a href="http://www.TOXBASE.org">www.TOXBASE.org</a>
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#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

2.1.2. Classification - EC 1272/2008	Eye Dam. 1: H318; Aquatic Chronic 3: H412;
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##### 2.2. Label elements

###### Hazard pictograms



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## 2.2. Label elements

<b>Signal Word</b>	Danger
<b>Hazard Statement</b>	Eye Dam. 1: H318 - Causes serious eye damage. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
<b>Precautionary Statement: Prevention</b>	P102 - Keep out of reach of children. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
<b>Precautionary Statement: Response</b>	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 -Immediately call a POISON CENTER/doctor/ .
<b>Precautionary Statement: Disposal</b>	P501 - Dispose of contents/container to an approved disposal site, in accordance with local regulations.
<b>SUPPLEMENTAL HAZARD INFORMATION</b>	Ingredients as required by Regulation (EC) No 648/2004:. 5 - 15% Amphoteric Surfactants, 5 - 15% Anionic Surfactants, 7.5% Phosphates by weight, Less than 5% Non-ionic Surfactants, Less than 5% Cationic Surfactants, CI 45100.

## 2.3. Other hazards

<b>Other hazards</b>	This mixture is not classified as PBT or vPvB according to current EU criteria.
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## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

## EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Amides, C8-C18(even numbered) and C18(Unsaturated), N,N-Bis(Hydroxyethyl)			931-329-6	01-2119490100-53	1 - 10%	Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Chronic 2: H411;
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-C8-C18 (even numbered) acyl derivs., hydroxides, inner salts		97862-59-4	931-296-8	01-2119488533-30	1 - 10%	Eye Dam. 1: H318; Aquatic Chronic 3: H412;
sodium (xylenes and 4-ethylbenzene) sulfonate			701-037-1	01-2119513350-56	1 - 10%	Eye Irrit. 2: H319;
Tetrapotassium pyrophosphate		7320-34-5	230-785-7	01-2119489369-18	1 - 10%	Eye Irrit. 2: H319;
PEG-15 Cocomonium Methosulphate		68989-03-7			1 - 10%	Eye Dam. 1: H318; Aquatic Chronic 2: H411;
sodium hydroxide	011-002-00-6	1310-73-2	215-185-5	01-2119457892-27	0 - 0.5%	Skin Corr. 1A: H314;

## Further information

<b>Product Shelf Life</b>	RECOMMENDED SHELF LIFE 1 YEAR FROM DATE OF DELIVERY.
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## SECTION 4: First aid measures

## 4.1. Description of first aid measures

<b>Inhalation</b>	Move the exposed person to fresh air.
<b>Eye contact</b>	Rinse immediately with plenty of water. Contact lenses should be removed.
<b>Skin contact</b>	Remove contaminated clothing. Wash with water and soap as a precaution.
<b>Ingestion</b>	DO NOT INDUCE VOMITING. Rinse mouth thoroughly.

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

<b>Inhalation</b>	May cause irritation to respiratory system.
<b>Eye contact</b>	Causes serious eye damage.
<b>Skin contact</b>	May cause irritation to skin.
<b>Ingestion</b>	May cause irritation to mucous membranes.

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

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

Inhalation	Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.
Eye contact	Contact lenses should be removed. Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	Drink 1 to 2 glasses of water. Seek medical attention if irritation or symptoms persist.

## General information

	If you feel unwell, seek medical advice (show the label where possible). Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

	This product is not flammable . Use fire-extinguishing media appropriate for surrounding materials.
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### 5.2. Special hazards arising from the substance or mixture

	None known.
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### 5.3. Advice for firefighters

	Fire fighters should wear self contained positive pressure breathing apparatus (SCBA) and full turnout gear.
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## Further information

	In the event of a fire and/or explosion do not breath fumes. Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

	Wear suitable protective equipment.
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### 6.2. Environmental precautions

	Advise local authorities if large spills cannot be contained.
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### 6.3. Methods and material for containment and cleaning up

	For large spills:. Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. For small spills:. Flush down the drain with plenty of water.
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### 6.4. Reference to other sections

	See section 2, 7, 8, 13 for further information.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

	Adopt best Manual Handling considerations when handling, carrying and dispensing.
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### 7.2. Conditions for safe storage, including any incompatibilities

	Store in a cool, dry area. Keep container tightly closed. Keep out of the reach of children. Store in original container.
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### 7.3. Specific end use(s)

	Mildly alkaline cleaner.
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## Suitable packaging

	Plastic containers.
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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

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## 8.1. Control parameters

Occupational exposure controls.

DNEL: Derived no-effect level.

## Exposure Pattern - Workers

Amides, C8-C18(even numbered) and C18(Unsaturated), N,N-Bis(Hydroxyethyl)	Long-term - inhalation - Systemic effects	73.4 mg/m <sup>3</sup>	
	Long-term - dermal - Systemic effects	4.16 <none>	Long-term - dermal - Local effects 0.09 <none>
sodium (xylenes and 4-ethylbenzene) sulfonate	Long-term - inhalation - Systemic effects	53.6 mg/m <sup>3</sup>	
	Long-term - dermal - Systemic effects	7.6 mg/kg	

## Exposure Pattern - General population

Amides, C8-C18(even numbered) and C18(Unsaturated), N,N-Bis(Hydroxyethyl)	Long-term - inhalation - Systemic effects	21.7 mg/m <sup>3</sup>	
	Long-term - dermal - Local effects	0.056 <none>	Long-term - oral - Systemic effects 6.25 <none>
sodium (xylenes and 4-ethylbenzene) sulfonate	Long-term - inhalation - Systemic effects	13.2 mg/m <sup>3</sup>	
	Long-term - dermal - Systemic effects	3.8 mg/kg	Long-term - oral - Systemic effects 3.8 mg/kg

## 8.2. Exposure controls



Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice. Use appropriate personal protective equipment. Wear suitable protective clothing and eye/face protection.

## 8.2.1. Appropriate engineering controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value. Ensure eyewash stations and safety showers are close to the workstation location.

## Eye / face protection

Avoid contact with eyes. If splashes are likely to occur, wear: safety glasses with side-shields. Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Wear chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.

## Skin protection - Handprotection

Rubber gloves. Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer.

## Respiratory protection

No personal respiratory protective equipment normally required. In case of insufficient ventilation wear suitable respiratory equipment.

## 8.2.3. Environmental exposure controls

Prevent further leakage or spillage if safe to do so.

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**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

<b>Appearance</b>	Liquid
<b>Colour</b>	Off white
<b>Odour</b>	Odourless
<b>Odour threshold</b>	No data available
<b>pH</b>	8.8 - 10
<b>Melting point</b>	No data available
<b>Initial boiling point</b>	No data available
<b>Flash point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Vapour density</b>	No data available
<b>Relative density</b>	1.085 - 1.098 g/cm <sup>3</sup>
<b>Partition coefficient</b>	No data available
<b>Autoignition temperature</b>	No data available
<b>Viscosity</b>	< 50 centipoise
<b>Explosive properties</b>	No data available
<b>Oxidising properties</b>	No data available
<b>Solubility</b>	Miscible in water

**9.2. Other information**

<b>Gas group</b>	No data available
<b>Benzene Content</b>	No data available
<b>Lead content</b>	No data available
<b>VOC (Volatile organic compounds)</b>	No data available

**Water solubility**

Fully Miscible with water.

**SECTION 10: Stability and reactivity****10.1. Reactivity**

Stable under normal conditions. No specific reactivity hazards associated with this product.

**10.2. Chemical stability**

Stable under normal conditions. No particular stability concerns.

**10.3. Possibility of hazardous reactions**

None known.

**10.4. Conditions to avoid**

Protect from frost. Avoid storing in direct Sun Light.

**10.5. Incompatible materials**

Strong acids. Strong oxidising agents.

**10.6. Hazardous decomposition products**

No Hazardous decomposition products when stored and handled correctly.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

This mixture has not been tested as a whole for health effects. The health effects have been

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## 11.1. Information on toxicological effects

Acute toxicity	calculated using the methods outlined in Regulation (EC) No 1272/2008 (CLP). based on available data the classification criteria are not met. Oral ATE = >10,000 mg/kg.
Skin corrosion/irritation	based on available data the classification criteria are not met.
Serious eye damage/irritation	Eye Dam. 1: H318 - Causes serious eye damage.
Respiratory or skin sensitisation	based on available data the classification criteria are not met.
Germ cell mutagenicity	based on available data the classification criteria are not met.
Carcinogenicity	based on available data the classification criteria are not met.
Reproductive toxicity	based on available data the classification criteria are not met.
STOT-single exposure	based on available data the classification criteria are not met.
STOT-repeated exposure	based on available data the classification criteria are not met.
Aspiration hazard	based on available data the classification criteria are not met.

## 11.1.2. Mixtures

	No data available.
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## 11.1.3. Hazard Information

	No data available.
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## 11.1.4. Toxicological Information

Amides, C8-C18(even numbered) and C18(Unsaturated), N,N-Bis(Hydroxyethyl)	Oral Rat LD50: > 2000 mg/kg	Dermal Rabbit LD50: > 2000 mg/kg
sodium (xylenes and 4-ethylbenzene) sulfonate	Oral Rat LD50: > 7200 mg/kg Inhalation Rat LC50/4 h: >6.41 mg/l	Dermal Rabbit LD50: > 2000 mg/kg

## SECTION 12: Ecological information

## 12.1. Toxicity

	No data available
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## 12.2. Persistence and degradability

	Substance biodegrades at a moderate rate and inherently biodegradable according to the OECD guide lines.
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## 12.3. Bioaccumulative potential

	The product is not bioaccumulating.
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## Partition coefficient

	Special Alkaline Cleaner 446 with Rinse Aid	No data available	Amides, C8-C18(even numbered) and C18(Unsaturated), N,N-Bis(Hydroxyethyl)	3.75 Log Pow
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## 12.4. Mobility in soil

	This product is soluble in water.
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## 12.5. Results of PBT and vPvB assessment

	This mixture is not classified as PBT or vPvB according to current EU criteria.
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## 12.6. Other adverse effects

	No data available.
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## SECTION 13: Disposal considerations

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## 13.1. Waste treatment methods

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

	Dispose of in compliance with all local and national requirements.
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## Disposal of packaging

	Do NOT reuse empty containers. Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations.
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## SECTION 14: Transport information

### 14.1. UN number

	The product is not classified as dangerous for carriage.
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### 14.2. UN proper shipping name

	The product is not classified as dangerous for carriage.
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### 14.3. Transport hazard class(es)

	The product is not classified as dangerous for carriage.
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### 14.4. Packing group

	The product is not classified as dangerous for carriage.
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### 14.5. Environmental hazards

	The product is not classified as dangerous for carriage.
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### 14.6. Special precautions for user

	The product is not classified as dangerous for carriage.
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### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

	The product is not classified as dangerous for carriage.
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## SECTION 15: Regulatory information

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

<b>Regulations</b>	<p>REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p> <p>COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p>
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### 15.2. Chemical safety assessment

	No information available.
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## SECTION 16: Other information

### Other information

<b>Revision</b>	<p>This document differs from the previous version in the following areas:.</p> <ol style="list-style-type: none"> <li>1 - Description.</li> <li>1 - Product Use.</li> <li>2 - SUPPLEMENTAL HAZARD INFORMATION.</li> <li>3 - Active Ingredients.</li> </ol>
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## Other information

	<p>5 - 5.2. Special hazards arising from the substance or mixture.  5 - 5.3. Advice for firefighters.  7 - 7.3. Specific end use(s).  8 - Skin protection - Handprotection.  8 - Eye / face protection.  10 - 10.4. Conditions to avoid.  10 - 10.3. Possibility of hazardous reactions.  10 - 10.6. Hazardous decomposition products.  10 - 10.5. Incompatible materials.  11 - Acute toxicity.  12 - 12.1. Toxicity.  12 - 12.4. Mobility in soil.  12 - 12.3. Bioaccumulative potential.  12 - 12.5. Results of PBT and vPvB assessment.</p>
<b>Data sources</b>	<p>Classification and Procedure used to derive the classification for mixtures according to Regulation (EC) No. 1272/2008:  Eye Dam. 1: H318 - Causes serious eye damage. - Calculation Method.  Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects. - Calculation Method.</p>
<b>Text of Hazard Statements in Section 3</b>	<p>Skin Irrit. 2: H315 - Causes skin irritation.  Eye Dam. 1: H318 - Causes serious eye damage.  Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.  Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.  Eye Irrit. 2: H319 - Causes serious eye irritation.  Met. Corr. 1: H290 - May be corrosive to metals.  Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.</p>
<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>