



## SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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### Alloy Wheel Cleaner

Revision 10

Revision date 2021-01-26

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

##### 1.1. Product identifier

Product name	Alloy Wheel Cleaner
Product code	QAFS776

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

Product Use	[SU21] Consumer uses: Private households (= general public = consumers); [PC35] Washing and cleaning products (including solvent based products); ----- [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC35] Washing and cleaning products (including solvent based products);
Description	Removes stubborn marks left by brake dust and road grime without damaging coatings, lacquers or tyres.

##### 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  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	Skin Corr. 1A: H314;
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##### 2.2. Label elements

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## 2.2. Label elements

<b>Hazard pictograms</b>	
<b>Signal Word</b>	Danger
<b>Hazard Statement</b>	Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
<b>Precautionary Statement: Prevention</b>	P102 - Keep out of reach of children. P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264 - Wash hands and other contacted skin thoroughly after handling.
<b>Precautionary Statement: Response</b>	P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<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: 3.8% Phosphates by weight, 5 - 15% Anionic Surfactants, Less than 5% Non-ionic surfactants, Sodium Metasilicate Pentahydrate.

## 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
C9-11 Alcohol Ethoxylate with EO		68439-45-2			1 - 10%	Acute Tox. 4: H302; Eye Dam. 1: H318;
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;
Neutralised Blend of Gluconic and Polycarboxylic Acids					1 - 10%	
2-butoxyethanol	603-014-00-0	111-76-2	203-905-0	01-2119475108-36	1 - 10%	Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315;
Sodium Metasilicate Pentahydrate		10213-79-3	229-912-9	01-2119449811-37	1 - 10%	Met. Corr. 1: H290; Skin Corr. 1B: H314; STOT SE 3: H335;

## 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 for 15 minutes holding the eyelids open. Contact lenses should be removed.
<b>Skin contact</b>	Remove contaminated clothing. Wash off immediately with plenty of soap and water.
<b>Ingestion</b>	DO NOT INDUCE VOMITING. Rinse mouth thoroughly. Drink plenty of water to dilute ingested product.

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

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

Inhalation	May cause irritation to respiratory system.
Eye contact	Risk of serious damage to eyes. Causes serious eye damage.
Skin contact	Causes severe burns.
Ingestion	May cause irritation to mucous membranes.

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

Inhalation	Move the exposed person to fresh air. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Seek medical attention. Show this safety data sheet to the doctor in attendance.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Contact lenses should be removed. Seek medical attention. Show this safety data sheet to the doctor in attendance.
Skin contact	Remove contaminated clothing immediately. Rinse immediately with plenty of water. Seek medical attention. Show this safety data sheet to the doctor in attendance.
Ingestion	Drink 1 to 2 glasses of water. Seek medical attention. Show this safety data sheet to the doctor in attendance.

## 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

	Burning produces irritating, toxic and obnoxious fumes.
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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

	Avoid contact with eyes and skin. Do not breathe vapours or spray mist. 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)

	Removes stubborn marks left by brake dust and road grime without damaging coatings, lacquers or tyres.
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## Suitable packaging

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

## 8.1. Control parameters

	Occupational exposure controls.
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## 8.1.1. Exposure Limit Values

2-butoxyethanol	WEL 8-hr limit ppm: 25	WEL 8-hr limit mg/m <sup>3</sup> : 123
	WEL 15 min limit ppm: 50	WEL 15 min limit mg/m <sup>3</sup> : 101.2
	WEL 8-hr limit mg/m <sup>3</sup> total - inhalable dust:	WEL 15 min limit mg/m <sup>3</sup> total - inhalable dust:
	WEL 8-hr limit mg/m <sup>3</sup> total - respirable dust:	WEL 15 min limit mg/m <sup>3</sup> total - respirable dust:

DNEL: Derived no-effect level.

## Exposure Pattern - Workers

2-butoxyethanol	Acute inhalation - Systemic effects	1091 mg/m <sup>3</sup>	Acute dermal - Systemic effects	89 mg/kg
	Acute inhalation - Local effects	246 mg/m <sup>3</sup>	Long-term - dermal - Systemic effects	125 mg/kg
	Long-term - inhalation - Systemic effects	98 mg/m <sup>3</sup>		
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		
Sodium Metasilicate Pentahydrate	Long-term - inhalation - Systemic effects	6.22 mg/m <sup>3</sup>		
	Long-term - dermal - Systemic effects	1.49 mg/kg		

## Exposure Pattern - General population


2-butoxyethanol	Acute inhalation - Systemic effects	426 mg/m <sup>3</sup>	Acute oral - Systemic effects	26.7 mg/kg
	Acute dermal - Systemic effects	89 mg/kg	Long-term - inhalation - Local effects	147 mg/m <sup>3</sup>
	Long-term - inhalation - Systemic effects	59 mg/m <sup>3</sup>	Long-term - oral - Systemic effects	6.3 mg/kg
	Long-term - dermal - Systemic effects	75 mg/kg		
sodium (xylenes and 4-ethylbenzene) sulfonate	Long-term - inhalation - Systemic effects	13.2 mg/m <sup>3</sup>	Long-term - oral - Systemic effects	3.8 mg/kg
	Long-term - dermal - Systemic effects	3.8 mg/kg		
Sodium Metasilicate Pentahydrate	Long-term - inhalation - Systemic effects	1.55 mg/m <sup>3</sup>	Long-term - oral - Systemic effects	0.74 mg/kg
	Long-term - dermal - Systemic effects	0.74 mg/kg		

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## 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.
Skin protection - Handprotection	Rubber gloves.
Skin protection - Other	Wear suitable protective clothing.
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.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Clear
Odour	Characteristic
Odour threshold	No data available
pH	13
Melting point	No data available
Initial boiling point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	1.068 - 1.075 g/cm <sup>3</sup>
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	< 50 centipoise
Explosive properties	No data available
Oxidising properties	No data available
Solubility	Soluble in water

## 9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	No data available

## SECTION 10: Stability and reactivity

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## 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

Strong acids. Strong oxidising agents.

## 10.4. Conditions to avoid

Protect from frost.

## 10.5. Incompatible materials

No incompatible groups noted.

## 10.6. Hazardous decomposition products

No Hazardous decomposition products when stored and handled correctly.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>Acute toxicity</b>	This mixture has not been tested as a whole for health effects. The health effects have been 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. Dermal ATE = >10,000 mg/kg. Inhalation - Dust/Mist ATE = 60mg/l.
<b>Skin corrosion/irritation</b>	Skin Corr. 1A: H314 - Causes severe skin burns and eye damage. Extreme pH - $\geq 11.5$ .
<b>Serious eye damage/irritation</b>	Causes serious eye damage.
<b>Respiratory or skin sensitisation</b>	based on available data the classification criteria are not met.
<b>Germ cell mutagenicity</b>	based on available data the classification criteria are not met.
<b>Carcinogenicity</b>	based on available data the classification criteria are not met.
<b>Reproductive toxicity</b>	based on available data the classification criteria are not met.
<b>STOT-single exposure</b>	based on available data the classification criteria are not met.
<b>STOT-repeated exposure</b>	based on available data the classification criteria are not met.
<b>Aspiration hazard</b>	based on available data the classification criteria are not met.

### 11.1.2. Mixtures

No data available.

### 11.1.3. Hazard Information

No data available.

### 11.1.4. Toxicological Information

<b>2-butoxyethanol</b>	<b>Inhalation Rat LC50/15min:</b> 4500 ppm <b>Dermal Rat LD50:</b> 1100 mg/kg	<b>Inhalation Rat LC50/30min:</b> 11.0 mg/l <b>Oral Rat LD50:</b> 1300 mg/kg
<b>C9-11 Alcohol Ethoxylate with EO</b>	<b>Oral Rat LD50:</b> 1100 mg/kg	
<b>sodium (xylenes and 4-ethylbenzene) sulfonate</b>	<b>Oral Rat LD50:</b> > 7200 mg/kg <b>Inhalation Rat LC50/4 h:</b> >6.41 mg/l	<b>Dermal Rabbit LD50:</b> > 2000 mg/kg

## SECTION 12: Ecological information

### 12.1. Toxicity

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## 12.1. Toxicity

2-butoxyethanol	EC50 for marine or freshwater organisms >100.0000 mg/l	LC50 for marine or freshwater organisms >100.0000 mg/l
sodium (xylenes and 4-ethylbenzene) sulfonate	Daphnia EC50/48h: 1000.0000 mg/l	Fish LC50/96h: 1000.0000 mg/l
Sodium Metasilicate Pentahydrate	Daphnia EC50/48h: 1700.0000 mg/l Algae EC50/72h: 207	Fish LC50/96h: 210.0000 mg/l

## 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

	Alloy Wheel Cleaner No data available	2-butoxyethanol 0.8 log P
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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

## 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

## Hazard pictograms

	
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## 14.1. UN number

	UN1760
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## 14.2. UN proper shipping name

	CORROSIVE LIQUID, N.O.S. (Contains Sodium Metasilicate Pentahydrate)
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## 14.3. Transport hazard class(es)

ADR/RID	8
Subsidiary risk	-

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## 14.3. Transport hazard class(es)

IMDG	8
Subsidiary risk	-
IATA	8
Subsidiary risk	-

## 14.4. Packing group

Packing group	III
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## 14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

## 14.6. Special precautions for user

	No additional special precautions.
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## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

	Not applicable.
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## ADR/RID

Hazard ID	80
Tunnel Category	(E)

## IMDG

EmS Code	F-A S-B
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## IATA

Packing Instruction (Cargo)	856
Maximum quantity	60 L
Packing Instruction (Passenger)	852
Maximum quantity	5 L

## SECTION 15: Regulatory information

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

Regulations	<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

Revision	This document differs from the previous version in the following areas: 1 - Product Use. 5 - 5.3. Advice for firefighters.
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## Other information

	<p>8 - Skin protection - Other.  10 - 10.6. Hazardous decomposition products.  11 - Acute toxicity.  11 - Serious eye damage/irritation.  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:.  Skin Corr. 1A: H314 - Causes severe skin burns and eye damage. - Extreme pH - <math>\geq 11.5</math>.</p>
<b>Text of Hazard Statements in Section 3</b>	<p>Acute Tox. 4: H302 - Harmful if swallowed.  Eye Dam. 1: H318 - Causes serious eye damage.  Eye Irrit. 2: H319 - Causes serious eye irritation.  Acute Tox. 4: H312 - Harmful in contact with skin.  Skin Irrit. 2: H315 - Causes skin irritation.  Acute Tox. 4: H332 - Harmful if inhaled.  Met. Corr. 1: H290 - May be corrosive to metals.  Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.  STOT SE 3: H335 - May cause respiratory irritation.</p>

## Further information

	<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>
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