



SAFETY DATA SHEET

according to Regulation (EU) 2020/878

Page 1/8

Wash & Shine

Revision 24

Revision date 2023-01-18

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

1.1. Product identifier

Product name	Wash & Shine
Product code	QAFS743

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	This concentrated blend of detergents is highly effective at removing dirt and grime from everyday road use. Suitable for use through most automated brush vehicle wash systems and pressure washing equipment with a brush applicator.

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 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 www.TOXBASE.org
----------------------------	---

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - EC 1272/2008	EUH208; Eye Dam. 1: H318; Aquatic Chronic 3: H412;
--------------------------------------	--


2.2. Label elements

Wash & Shine

Revision 24

Revision date 2023-01-18

2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	EUH208 - Contains benzisothiazolinone. May produce an allergic reaction. Eye Dam. 1: H318 - Causes serious eye damage. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Precautionary Statement: Prevention	P102 - Keep out of reach of children. P103 - Read label before use. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention.
SUPPLEMENTAL HAZARD INFORMATION	Ingredients as required by Regulation (EC) No 648/2004:. 5 - 15% Non-ionic surfactants, 5 - 15% Amphoteric surfactants, EDTA and salts thereof, Benzisothiazolinone, Parfum. Contains - Tetrasodium ethylene diamine tetraacetate, 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-N-C8-C18 (even numbered) acyl derivs, hydroxides, inner salts, Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides, Reaction products of C12-18-(even numbered)-alkylamines and acrylic and sodium hydroxide.

2.3. Other hazards

Other hazards	This substance/mixture is not classified as PBT or vPvB according to current criteria. The substance/mixture does not contain substances with endocrine disrupting properties.
---------------	--

Further information

	RECOMMENDED SHELF LIFE 1 YEAR FROM DATE OF DELIVERY.
--	--

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
Tetrasodium ethylene diamine tetraacetate		64-02-8	200-573-9	01-2119486762-27	1 - 10%	Acute Tox. 4: H302+H332; Eye Dam. 1: H318; STOT RE 2: H373;
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;
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides		308062-28-4	931-292-6	01-2119490061-47	1 - 10%	Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Acute 1: H400; Aquatic Chronic 2: H411;
Reaction products of C12-18-(even numbered)-alkylamines and acrylic acid and sodium hydroxide			939-647-7		1 - 10%	Skin Irrit. 2: H315; Eye Irrit. 2: H319;
						Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides, CAS No. 308062-28-4 - M Factor (Acute) = 1.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air.
------------	---------------------------------------

Wash & Shine

Revision 24

Revision date 2023-01-18

4.1. Description of first aid measures

Eye contact	Rinse immediately with plenty of water. Contact lenses should be removed.
Skin contact	Remove contaminated clothing. Wash with water and soap as a precaution.
Ingestion	DO NOT INDUCE VOMITING. Rinse mouth thoroughly.

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

Inhalation	May cause irritation to respiratory system.
Eye contact	Causes serious eye damage.
Skin contact	May cause irritation to skin.
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. 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.
--	---

SECTION 5: Firefighting measures

5.1. Extinguishing media

	This product is not flammable . Use fire-extinguishing media appropriate for surrounding materials.
--	---

5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
--	---

5.3. Advice for firefighters

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

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.
--	---

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Wear suitable protective equipment.
--	-------------------------------------

6.2. Environmental precautions

	Advise local authorities if large spills cannot be contained.
--	---

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.
--	--

6.4. Reference to other sections

	See section 2, 7, 8, 13 for further information.
--	--

SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Adopt best Manual Handling considerations when handling, carrying and dispensing.
--	---

Wash & Shine

Revision 24

Revision date 2023-01-18

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.
--	---

7.3. Specific end use(s)

	This concentrated blend of detergents is highly effective at removing dirt and grime from everyday road use. Suitable for use through most automated brush vehicle wash systems and pressure washing equipment with a brush applicator.
--	---

Suitable packaging

	Plastic containers.
--	---------------------

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

	Occupational exposure controls.
--	---------------------------------

8.1.1. Exposure Limit Values

Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	WEL 8-hr limit ppm: N/A	WEL 8-hr limit mg/m3:
	WEL 15 min limit ppm:	WEL 15 min limit mg/m3:
	WEL 8-hr limit mg/m3 total inhalable dust:	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.

Exposure Pattern - Workers

Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Long-term - inhalation - Systemic effects	6.2 mg/m ³
	Long-term - dermal - Systemic effects	11 mg/kg
Tetrasodium ethylene diamine tetraacetate	Acute inhalation - Local effects	2.5 mg/m ³
	Long-term - inhalation - Local effects	2.5 mg/m ³

Exposure Pattern - General population

Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Long-term - inhalation - Systemic effects	1.53 mg/m ³	
	Long-term - dermal - Systemic effects	5.5 mg/kg	Long-term - oral - Systemic effects 0.44 mg/kg
Tetrasodium ethylene diamine tetraacetate	Acute inhalation - Local effects	1.5 mg/m ³	
	Long-term - inhalation - Local effects	1.5 mg/m ³	Long-term - oral - Systemic effects 25 mg/kg

8.2. Exposure controls

	 
--	---

Wash & Shine

Revision 24

Revision date 2023-01-18

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.
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	Yellow
Odour	Perfumes
Odour threshold	No data available
pH	9.5 - 10.2
Melting point	Not applicable.
Initial boiling point	No data available
Flash point	90 °C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Relative Vapour Density	No data available
Density / Relative Density	No data available
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
Specific gravity	1.015 - 1.019 g/cm³
Gas group	No data available
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	No data available

9.2.1. Information with regard to physical hazard classes

	No data is available on this product.
--	---------------------------------------

9.2.2. Other safety characteristics

	No data is available on this product.
--	---------------------------------------

Wash & Shine

Revision 24

Revision date 2023-01-18

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

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

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 hazard classes**

Acute toxicity	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. Inhalation - Dust/Mist ATE = 128.2051 mg/l, Inhalation - Dust/Mist ATE = >20 mg/l.
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.
Repeated or prolonged exposure	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

Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides Tetrasodium ethylene diamine tetraacetate	Dermal Rat LD50: > 2000 mg/kg	Oral Rat LD50: 1064 mg/kg
	Oral Rat LD50: 1780 mg/kg	Inhalation Rat LC50/4 h: 1.5 mg/l

11.2 Information on other hazards

No data is available on this product.

SECTION 12: Ecological information

Wash & Shine

Revision 24

Revision date 2023-01-18

12.1. Toxicity

Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Daphnia EC50/48h: 3.1000 mg/l	Fish LC50/96h: 2.6700 mg/l
	Algae EC50/72h: 0.146 mg/l	
Tetrasodium ethylene diamine tetraacetate	Daphnia EC50/48h: 101.0000 mg/l	Fish LC50/96h: 101.0000 mg/l
	Algae EC50/72h: 101 mg/l	

12.2. Persistence and degradability

	Substance biodegrades at a moderate rate and inherently biodegradable according to the OECD guide lines.
--	--

12.3. Bioaccumulative potential

	The product is not bioaccumulating.
--	-------------------------------------

Partition coefficient

	Wash & Shine No data available
--	--------------------------------

12.4. Mobility in soil

	This product is soluble in water.
--	-----------------------------------

12.5. Results of PBT and vPvB assessment

	This substance/mixture is not classified as PBT or vPvB according to current criteria.
--	--

12.6 Endocrine disrupting properties

	No data is available on this product.
--	---------------------------------------

12.7. Other adverse effects

	No data is available on this product.
--	---------------------------------------

SECTION 13: Disposal considerations

13.1. Waste treatment methods

	Dispose of waste and residues in accordance with local authority requirements.
--	--

General information

	Dispose of in compliance with all local and national requirements.
--	--

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.
--	---

SECTION 14: Transport information

14.1. UN number

	The product is not classified as dangerous for carriage.
--	--

14.2. UN proper shipping name

	The product is not classified as dangerous for carriage.
--	--

14.3. Transport hazard class(es)

	The product is not classified as dangerous for carriage.
--	--

14.4. Packing group

	The product is not classified as dangerous for carriage.
--	--

14.5. Environmental hazards

	The product is not classified as dangerous for carriage.
--	--

Wash & Shine

Revision 24

Revision date 2023-01-18

14.6. Special precautions for user

The product is not classified as dangerous for carriage.

14.7 Maritime Transport in bulk according to IMO instruments

The product is not classified as dangerous for carriage.

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> <p>COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).</p>
-------------	--

15.2. Chemical safety assessment

No information available.

SECTION 16: Other information

Other information

Data sources	<p>Classification and Procedure used to derive the classification for mixtures according to Regulation (EC) No. 1272/2008, as retained and amended in UK law.</p> <p>Eye Dam. 1: H318 - Causes serious eye damage. - Calculation Method.</p> <p>Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects. - Calculation Method.</p>
Text of Hazard Statements in Section 3	<p>Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled</p> <p>Eye Dam. 1: H318 - Causes serious eye damage.</p> <p>STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure .</p> <p>Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.</p> <p>Acute Tox. 4: H302 - Harmful if swallowed.</p> <p>Skin Irrit. 2: H315 - Causes skin irritation.</p> <p>Aquatic Acute 1: H400 - Very toxic to aquatic life.</p> <p>Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.</p> <p>Eye Irrit. 2: H319 - Causes serious eye irritation.</p>

Further information

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.