



mirius™
A Coventry Group Company

SAFETY DATA SHEET

5L SUPER SCRUBBER DRYER DETERGENT F6

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

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

1.1. Product identifier

Product name	5L SUPER SCRUBBER DRYER DETERGENT F6
Product number	800-262-1126
Container size	5 litres
UFI	UFI: G638-73RT-8P7Q-AUE8

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

Identified uses	Detergent.
Uses advised against	Do not use for personal cleansing. Not for Oral Consumption. Use only for intended applications.

1.3. Details of the supplier of the safety data sheet

Supplier	MIRIUS™ A Coventry Group Company Coventry Chemicals Limited, Woodhams Road, Siskin Drive, Coventry, England, CV3 4FX Coventry Chemicals (Ireland) Limited, 4th Floor 8-34 Percy Place, Dublin, D04 P5K3, Ireland. +44 (0)2476639739 www.mirius.com info@mirius.com
Contact person	For content of safety data sheet: sds@mirius.com

1.4. Emergency telephone number

Emergency telephone	+44 (0) 1865407333 (Strictly for emergencies only: incidents involving damage to human health and/or the environment)
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National emergency telephone number	UK: In case of a medical emergency following exposure to a chemical call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24 Ireland: For information or to report a poisoning incident contact The National Poisons Information Centre (01 8092166)
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards	Not Classified
Health hazards	Eye Dam. 1 - H318
Environmental hazards	Aquatic Chronic 3 - H412

2.2. Label elements

5L SUPER SCRUBBER DRYER DETERGENT F6**Hazard pictograms**

Signal word	Danger
Hazard statements	H318 Causes serious eye damage. H412 Harmful to aquatic life with long lasting effects.
Precautionary statements	P273 Avoid release to the environment. P264 Wash contaminated skin thoroughly after handling. P280 Wear eye protection. 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. P391 Collect spillage. P501 Dispose of contents/ container in accordance with national regulations.
UFI	UFI: G638-73RT-8P7Q-AUE8
Contains	TETRASODIUM ETHYLENE DIAMINE TETRAACETATE, ALCOHOLS, C12-14, ETHOXYLATED
Detergent labelling	< 5% amphoteric surfactants, < 5% cationic surfactants, < 5% EDTA and salts thereof, < 5% non-ionic surfactants, < 5% phosphates
Supplementary precautionary statements	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

2.3. Other hazards**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE		1-5%
CAS number: 64-02-8		EC number: 200-573-9
Classification	Classification (67/548/EEC or 1999/45/EC)	
Acute Tox. 4 - H302	Xn;R22 Xi;R41	
Acute Tox. 4 - H332		
Eye Dam. 1 - H318		
STOT RE 2 - H373		
ALCOHOLS, C12-14, ETHOXYLATED		1-5%
CAS number: 68439-50-9		EC number: 500-213-3
Classification		
Acute Tox. 4 - H302		
Eye Dam. 1 - H318		
Aquatic Chronic 3 - H412		

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ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (ADBAC/BKC (C12-16))	<1%
CAS number: 68424-85-1 EC number: 270-325-2 M factor (Acute) = 10 M factor (Chronic) = 1	
Classification Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	
TRISODIUM NITRILOTRIACETATE	<1%
CAS number: 5064-31-3 EC number: 225-768-6	
Classification Acute Tox. 4 - H302 Eye Irrit. 2 - H319 Carc. 2 - H351	Classification (67/548/EEC or 1999/45/EC) Carc. Cat. 3;R40 Xn;R22 Xi;R36
SODIUM HYDROXIDE	<1%
CAS number: 1310-73-2 EC number: 215-185-5	
Classification Met. Corr. 1 - H290 Skin Corr. 1A - H314 Eye Dam. 1 - H318	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Provide eyewash station
Inhalation	Not expected to present a significant inhalation hazard under anticipated conditions of normal use. Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
Skin contact	Rinse immediately with plenty of water. Remove contaminated clothing. Get medical attention if irritation persists after washing.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention. Show this Safety Data Sheet to the medical personnel.

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

General information	Provide eyewash station
Inhalation	Unlikely to occur, but may lead to temporary irritation in sensitive individuals.

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Ingestion	Unlikely exposure route without abuse. Symptoms will include, Sickness, possible Irritation of GI Tract. A soapy taste may be reported.
Skin contact	Liquid may irritate skin.
Eye contact	Causes serious eye damage. Causes eye irritation.

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

Notes for the doctor	No specific recommendations.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. Foam, carbon dioxide or dry powder.
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5.2. Special hazards arising from the substance or mixture

Specific hazards	No unusual fire or explosion hazards noted.
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5.3. Advice for firefighters

Protective actions during firefighting	Control run-off water by containing and keeping it out of sewers and watercourses.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	For personal protection, see Section 8. Treat the spilled material according to the instructions in the clean-up section. Take care as floors and other surfaces may become slippery.
For non-emergency personnel	In case of fire: Wear self-contained breathing apparatus. Wear protective clothing, gloves, eye and face protection. Keep unnecessary and unprotected personnel away from the spillage. Eliminate all sources of ignition. Ventilate closed spaces before entering them.
For emergency responders	Wear self-contained breathing apparatus. Wear protective clothing, gloves, eye and face protection. Dilute with plenty of water. Do not allow uncontrolled discharge of product into the environment. Evacuate unnecessary personnel.

6.2. Environmental precautions

Environmental precautions	Collect and dispose of spillage as indicated in Section 13. Do not discharge into drains or watercourses or onto the ground.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Stop leak if safe to do so. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses. Collect and dispose of spillage as indicated in Section 13.
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6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

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Usage precautions Provide adequate ventilation. Avoid spilling, skin and eye contact. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid breathing vapour/spray. Do not mix with other household chemical products. Do not mix with acid.

Advice on general occupational hygiene Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using this product. Wash skin thoroughly after handling. Take off contaminated clothing and wash it before reuse. Use appropriate hand lotion to prevent defatting and cracking of skin.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store at room temperature. Keep out of the reach of children. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

SODIUM HYDROXIDE

Short-term exposure limit (15-minute): WEL 2 mg/m³

WEL = Workplace Exposure Limit.

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)

DNEL General population - Oral; Long term systemic effects: 25 mg/kg/day
 General population - Inhalation; Long term local effects: 0.6 mg/m³
 General population - Inhalation; Short term local effects: 1.2 mg/m³
 Workers - Inhalation; Long term local effects: 1.5 mg/m³
 Workers - Inhalation; Short term local effects: 3 mg/m³

PNEC - Fresh water; 2.2 mg/l
 - marine water; 0.22 mg/l
 - Intermittent release; 1.2 mg/l
 - STP; 43 mg/l
 - Soil; 0.72 mg/kg

ALCOHOLS, C12-14, ETHOXYLATED (CAS: 68439-50-9)

DNEL Workers - Inhalation; Long term systemic effects: 294 mg/m³
 Workers - Dermal; Long term systemic effects: 2080 mg/kg/day
 General population - Inhalation; Long term systemic effects: 87 mg/m³
 General population - Dermal; Long term systemic effects: 1250 mg/kg/day
 General population - Oral; Long term systemic effects: 25 mg/kg/day

PNEC - Fresh water; 0.0437 mg/l
 - Intermittent release; 0.004 mg/l
 - STP; 10 mg/l
 - Sediment (Freshwater); 31 mg/kg
 - Sediment (Marinewater); 31 mg/kg
 - Soil; 1 mg/kg

TETRAPOTASSIUM PYROPHOSPHATE (CAS: 7320-34-5)

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DNEL	Workers - Inhalation; Long term systemic effects: 44.08 mg/m ³ General population - Inhalation; Long term systemic effects: 10.87 mg/m ³
PNEC	- Fresh water; 0.05 mg/l - marine water; 0.005 mg/l - Intermittent release; 0.5 mg/l - STP; 50 mg/l

ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (ADBAC/BKC (C12-16)) (CAS: 68424-85-1)

DNEL	Workers - Dermal; Long term systemic effects: 5.7 mg/kg/day Workers - Inhalation; Long term systemic effects: 3.96 mg/m ³ General population - Oral; Long term systemic effects: 3.4 mg/kg/day General population - Dermal; Long term systemic effects: 3.4 mg/kg/day General population - Inhalation; Long term systemic effects: 1.64 mg/m ³
PNEC	- Fresh water; 0.001 mg/l Intermittent release, Fresh water; 0 mg/l marine water; 0.001 mg/l STP; 0.4 mg/l Sediment (Freshwater); 12.27 mg/kg Sediment (Marinewater); 13.09 mg/kg Soil; 7 mg/kg

SODIUM HYDROXIDE (CAS: 1310-73-2)

DNEL	Industry - Inhalation; Long term local effects: 1.0 mg/m ³ Consumer - Inhalation; Long term local effects: 1.0 mg/m ³
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8.2. Exposure controls

Appropriate engineering controls	Provide adequate ventilation.
Personal protection	This datasheet is not a Risk/COSHH assessment. Data given here should be used as part of a risk assessment. Data supplied here relates to the product as supplied, not in use solutions, these will have a lower classification.
Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Personal protective equipment that provides appropriate eye and face protection should be worn. Refer to EN166.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Neoprene, nitrile, polyethylene or PVC. Refer to EN374 A break through time of >60 minutes is suggested. Gloves should be inspected regularly for damage.
Other skin and body protection	Wear appropriate clothing to prevent repeated or prolonged skin contact.
Hygiene measures	Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Use appropriate skin cream to prevent drying of skin.
Respiratory protection	Respiratory protection not normally required.
Environmental exposure controls	Avoid release to the environment.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Colourless.
Odour	Unperfumed.
Odour threshold	No information available.
pH	pH > 11
Melting point	No information available.
Initial boiling point and range	No information available.
Flash point	Does not support combustion.
Evaporation rate	No information available.
Evaporation factor	No information available.
Flammability (solid, gas)	Not flammable
Upper/lower flammability or explosive limits	Not applicable.
Other flammability	Not applicable.
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	~ 1.03 @ 20°C
Bulk density	Not applicable.
Solubility(ies)	Completely soluble in water.
Partition coefficient	No information available.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	No information available.
Viscosity	No specific test data are available.
Explosive properties	Not considered to be explosive.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

Refractive index	8.5-9.5
Particle size	Not applicable.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Under normal storage conditions this product is stable.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No potentially hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials to avoid No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Hazardous decomposition products No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects Information given is based on data of the components and of similar products.

Other health effects Does not contain any substances known to be carcinogenic.

Acute toxicity - oral

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

ATE oral (mg/kg) 16,536.6

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

ATE inhalation (vapours mg/l) 110.0

ATE inhalation (dusts/mists mg/l) 15.0

Skin corrosion/irritation

Skin corrosion/irritation Irritating to skin.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye damage.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Does not contain any substances known to be mutagenic.

Carcinogenicity

Carcinogenicity Does not contain any substances known to be carcinogenic.

Reproductive toxicity

Reproductive toxicity - fertility Does not contain any substances known to be toxic to reproduction.

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Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard Not anticipated to present an aspiration hazard, based on chemical structure.

General information

This product has low toxicity.

Inhalation

The product is considered to be a low hazard under normal conditions of use.

Ingestion

May cause irritation. Symptoms following overexposure may include the following: Stomach pain. Diarrhoea. Nausea, vomiting.

Skin contact

Prolonged or repeated exposure may cause the following adverse effects: Irritation. Dryness and/or cracking. Mild dermatitis, allergic skin rash.

Eye contact

May cause serious eye damage. Irritating to eyes. Corneal damage. Severe irritation, burning, tearing and blurred vision.

11.2 Information on other hazards

11.2.1. Endocrine disrupting properties This product is not classified as, nor contains substances classed as having endocrine disrupting characteristics at levels >0.1% by weight (according to Regulation (EU) 2018/605).

11.2.2 Other information

SECTION 12: Ecological information

Ecotoxicity

Harmful to aquatic life with long lasting effects. The product contains substances which are toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

Toxicity

Mixture is classified - see section 2.1.

12.2. Persistence and degradability

Persistence and degradability

The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in The Detergents Regulations (as amended).

12.3. Bioaccumulative potential

Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

Partition coefficient

No information available.

12.4. Mobility in soil

Mobility

The product is water-soluble and may spread in water systems.

12.5. Results of PBT and vPvB assessment

12.6. Endocrine disrupting properties

Endocrine disrupting properties

This product is not classified as, nor contains substances classed as having endocrine disrupting characteristics at levels >0.1% by weight (according to Regulation (EU) 2018/605).

12.6. Other adverse effects

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Other adverse effects Not known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Do not discharge into drains or watercourses or onto the ground.

Disposal methods Normal use solutions are expected to be flushed to sewers. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Reuse or recycle products wherever possible.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

SECTION 15: Regulatory information

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

National regulations The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 (SI 2020 No. 1577) (as amended).
The Product Safety and Metrology etc. (Amendment etc.) (EU Exit) Regulations 2019 (SI 2019 No. 696) (as amended).
The Ozone-Depleting Substances and Fluorinated Greenhouse Gases (Amendment etc.) (EU Exit) Regulations 2019 (SI 2019 No. 583) (as amended).
The Hazardous Waste Regulations 2005.
The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019 (as amended).
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
Health and Safety at Work etc. Act 1974 (as amended).

EU legislation European Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (as amended)
European Regulation (EC) No 1907/2006 - Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended)
European Regulation (EC) No 648/2004 on detergents (as amended)

Guidance COSHH Essentials.
ECHA Guidance on the Application of the CLP Criteria.
ECHA Guidance on the compilation of safety data sheets.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Inventories

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EU - EINECS/ELINCS

All the ingredients are listed or exempt.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	<p>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>PBT: Persistent, Bioaccumulative and Toxic substance.</p> <p>PNEC: Predicted No Effect Concentration.</p> <p>REACH: The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577.</p> <p>IATA: International Air Transport Association.</p> <p>RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.</p> <p>DNEL: Derived No Effect Level.</p> <p>vPvB: Very Persistent and Very Bioaccumulative.</p> <p>MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.</p>
Classification abbreviations and acronyms	<p>Skin Irrit. = Skin irritation</p> <p>Eye Dam. = Serious eye damage</p> <p>Aquatic Chronic = Hazardous to the aquatic environment (chronic)</p>
Revision comments	<p>NOTE: Lines within the margin indicate significant changes from the previous revision. Note: Finished product SDS take their revision history from the parent bulk liquid SDS. The revision data will show that of the parent liquid.</p>
Revision date	01/05/2024
Revision	1
SDS number	23560
Hazard statements in full	<p>H290 May be corrosive to metals.</p> <p>H302 Harmful if swallowed.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H318 Causes serious eye damage.</p> <p>H319 Causes serious eye irritation.</p> <p>H332 Harmful if inhaled.</p> <p>H351 Suspected of causing cancer.</p> <p>H373 May cause damage to organs through prolonged or repeated exposure.</p> <p>H400 Very toxic to aquatic life.</p> <p>H410 Very toxic to aquatic life with long lasting effects.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p>