

Material Safety Data Sheet

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Product Name TopWash
MSDS Code 008479

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

Identified uses Caustic-free high pressure wash additive
Uses advised against This product is not recommended for any industrial, professional or consumer use other than the identified uses above.

1.3 Details of the supplier of the safety data sheet

Supplier: Fleming Technical Limited
Brunel Road
Croft Business Park
Bromborough CH62 3NY
www.fleming-tech.com
www.spillhound.com
Tel +44(0)151 343 1800

Contact person: Mr G. Fleming

1.4 Emergency telephone number

Emergency telephone +44(0) 151 343 1800 Mon-Fri 09.00 - 17.00. If you urgently need medical help or advice but it's not a life-threatening situation, call the 24-hour NHS 111 service to speak to an NHS adviser. Simply call 111 free from a landline or mobile.

2. Hazards Identification

2.1 Classification of the substance or mixture

Classification

Physical hazards

Not classified.

Health hazards

Eye Irrit 2A - H319

Skin Irrit 2 - H315

Environmental hazards

Not classified.

2.2 Label elements

Pictogram



Signal word Warning

Hazard statements

H315 + H320: Causes skin and eye irritation R36/38

Precautionary statements

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P302 + P350: IF ON SKIN: Gently wash with plenty of soap and water

P301 + P330 + P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

Supplementary precautionary statements

2.3 Other hazards

This product contains no substances classified as PBT or vPvB.

3. Composition/Information on ingredients

3.2 Mixtures

Tetrasodium ethylenediamine tetraacetate		5-10 %
CAS number: 64-2-8	EC number: 200-573-9	
Classification		
Eye Dam 1 - H318	H318: Causes serious eye damage R41	
Acute Tox 4 - H302	H302: Harmful if swallowed R22	
Acute Tox 4 - H332	H332: Harmful if inhaled R20	

Quaternised ethoxylated cocoamine		1-5 %
CAS number: 61791-10-4	EC number:	
Classification		
Acute Tox 4 - H302	H302: Harmful if swallowed R22	
Eye Irrit 2A - H319	H319: Causes serious eye irritation R36	
Skin Sens 1A - H317	H317: May cause an allergic skin reaction R43	

C9-C11 alcohol ethoxylate		1-5 %
CAS number: 68439-46-3	EC number:	
Classification		
Acute Tox 4 - H302	H302: Harmful if swallowed R22	
Eye Dam 1 - H318	H318: Causes serious eye damage R41	

4. First Aid Measures

4.1 Description of first aid measures

Inhalation - advice refers to inhalation of spray mist

Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion

Remove affected person from source of contamination. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues.

Skin

Remove affected person from source of contamination. Remove contaminated clothing. Rinse immediately with plenty of water. Use suitable lotion to moisturise skin. Get medical attention if any discomfort continues.

Eyes

Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

4.2 Most important symptoms and effects, both acute and delayed

General Information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation - information refers to inhalation of spray mist

Coughing, chest tightness, feeling of chest pressure.

Ingestion

May cause discomfort if swallowed. May cause stomach pain or vomiting.

Skin

Prolonged contact may cause redness, irritation and dry skin.

Eyes

Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor

No specific recommendations. Treatment should be symptomatic. If in doubt, get medical attention promptly.

5. Firefighting Measures

5.1 Extinguishing media

Suitable extinguishing media

This product is not flammable. Fire extinguishing media should be selected according to the nature of surrounding materials.

5.2 Special hazards arising from the substance or mixture

Specific hazards

Thermal decomposition or combustion may liberate toxic gases or vapours.

Hazardous combustion products

Vapours may include oxides/compounds of the following : Carbon. Hydrogen. Nitrogen. Sulphur.

5.3 Advice for firefighters

Protective actions during firefighting

Stay up-wind to avoid breathing fumes or vapours. Keep run-off water out of sewers and watercourses. If there is risk of water pollution, notify appropriate authorities.

Special protective equipment for firefighters

Use self-contained breathing apparatus, gloves and protective goggles. Use full protective clothing appropriate for surrounding materials.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Protective equipment required: protective gloves, goggles, clothing and footwear. See section 8.

6.2 Environmental precautions

Do not discharge into water courses. Place container with damaged side up. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY notified to the Environmental Agency or other appropriate regulatory body.

6.3 Methods and material for containment and cleaning up

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers.

Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Flush remaining spilled material to foul sewer if local regulations permit. For waste disposal, see section 13.

6.4 Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

7. Handling and Storage

7.1 Precautions for safe handling

Read and follow manufacturer's recommendations. Observe good chemical hygiene and handling practices.

Refer to section 6.1 for personal protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a cool, dry place.

7.3 Specific end use(s)

Please see section 1.2

8. Exposure Controls/personal protection

8.1 Control parameters

Occupational exposure limits

Statutory and derived exposure data for Tetrasodium ethylenediamine tetraacetate

Workplace Exposure Limits (WEL)				Derived and predicted exposure parameters					
TWA - 8hr		STEL - 15 mins		DNEL (mg/m3)		PNEC			
ppm	mg/m3	ppm	mg/m3	Inhalation	Short Term	2.5000	STP	43.0000	mg/l
				Inhalation	Long Term	2.5000	Fresh water	2.2000	mg/l

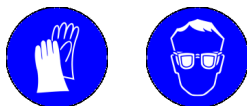
Statutory and derived exposure data for C9-C11 alcohol ethoxylate

Workplace Exposure Limits (WEL)				Derived and predicted exposure parameters			
TWA - 8hr		STEL - 15 mins		DNEL (mg/m3)		PNEC	
ppm	mg/m3	ppm	mg/m3			STP	1.4000 mg/l
				Inhalation	Long Term	294.0000	Fresh water 0.1038 mg/l
							Marine water 0.1038 mg/l

8. Exposure Controls/personal protection - continued

8.2 Exposure controls

Protective equipment



Appropriate engineering controls

No specific ventilation requirements. If this product is used in such a way as to generate spray mist, additional ventilation may be required.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles conforming to ANSI Z87.1.

Hand protection

Use protective gloves, complying with an approved standard, made of the following material: PVC or Nitrile.

The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Frequent change is advisable.

Other skin and body protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures

Provide eye wash station and suitable hand cleaning/hand care facilities. When using do not eat, drink or smoke. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated.

Respiratory protection

Respiratory protection may be required if the usage method generates excessive levels of mist/dust. If necessary, wear a mask fitted with a cartridge P2/P3 suitable for mist/dust.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance	pH (Concentrate)	pH (10%)
Pale Straw Liquid	13	12
Odour	Decomposition temperature (°C)	
Faint	Not available	
Solubility - water	Odour threshold - lower	
Soluble in all proportions	Not available	
Solubility - other	Odour threshold - upper	
n/a	Not available	
Boiling point	Flash point (°C)	
~ 100°C	Not applicable	
Freezing point	Auto ignition temperature (°C)	
~ 0°C	Not available	
Relative density (20°C)	Flammability limit - lower (%)	
~ 1.02	Not available	
Vapour density (air = 1)	Flammability limit - upper (%)	
Not available	Not available	
Vapour pressure	Partition coefficient (N-octanol/water)	
Not available	Not available	
Viscosity	Oxidising properties	
Not Available	Does not meet the criteria for oxidising	
Evaporation rate (BuAc = 1)	Comments	
Not available	Information declared as 'Not available' or 'Not applicable' is not considered to be relevant to the implementation of the proper control measures	

9.2 Other information

VOC (grams/litre)
0

This is a zero VOC product.

10. Stability and reactivity

10.1 Reactivity

No specific reactivity hazards associated with this product.

10.2 Chemical Stability

Stable under normal temperature conditions.

10.3 Possibility of hazardous reactions

Reaction with acids may generate heat.

10.4 Conditions to avoid

Avoid excessive heat for prolonged periods of time.

10.5 Incompatible materials

Strong oxidisers. Acids (generates heat).

10.6 Hazardous decomposition products

Product does not decompose under normal conditions.

11. Toxicological Information

11.1 Information on toxicological effects

Toxicological effects

No data recorded for mixture

Acute toxicity - oral

ATE oral (mg/kg)

28148

Skin corrosion/irritation

Human skin model test

Scientifically unjustified

Extreme pH

Based on in Vitro calculation from pH and Alkali Reserve. Irritating.

General

This product is an alkaline irritant. It is not volatile but spray mists can pose an additional hazard.

Inhalation

Spray mist may cause respiratory system irritation

Ingestion

May cause discomfort and/or stomach upset if swallowed.

Skin contact

Prolonged contact may cause defatting and dryness.

Eye contact

Product is normally diluted before use. Strong solutions may cause eye irritation.

Route of entry

Inhalation (spray mist). Ingestion. Skin. Eyes.

Medical symptoms

No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.

Medical considerations

People with skin disorders and/or allergies should take extra care when using this product.

Toxicological information on ingredients

Tetrasodium ethylenediamine tetraacetate	LD50	oral	rat	3030	mg/kg
	LD50	ipr	mouse	40	mg/kg
Quaternised ethoxylated cocoamine	LD50	oral	rat	2000	mg/kg
C9-C11 alcohol ethoxylate	LD50	oral	rat	3000	mg/kg

12. Ecological Information

The product is not expected to be hazardous to the environment.

The product components are not classified as environmentally hazardous. Large spills may have hazardous effects on the environment.

The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

The product does not contain organically bound halogen.

The product is not expected to be hazardous to wastewater treatment processes.

12.1 Toxicity

Acute aquatic toxicity

Details shown in section 08, when applicable.

12.2 Persistence and degradability

The surfactants contained in this product comply with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

The product is biodegradable but it must not be discharged into drains without permission from the relevant authorities.

12.3 Bioaccumulative potential

This product is not expected to bioaccumulate

12.4 Mobility in soil

The product is soluble in water.

12.5 Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6 Other adverse effects

Not Determined

13. Disposal Considerations

13.1 Waste treatment methods

General Information

When handling waste, the safety precautions applying to handling of the product should be considered. The packaging must be empty (drop-free when inverted).

Disposal methods

Packaging should be reused, recycled or laundered via a licensed operator wherever possible.

Avoid the spillage or runoff entering watercourses. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Discharge of small quantities to the sewer with plenty of water may be permitted.

The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer. Larger quantities should be treated in a suitable plant or disposed of via a licensed waste disposal contractor.

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

ADR/RID :

IMDG :

ICAO :

14.2 UN proper shipping name

ADR/RID :

IMDG :

ICAO :

ADN :

14.3 Transport hazard class(es)

ADR/RID :

IMDG :

ICAO :

Transport labels

None required.

14.4 Packing group

ADR/RID :

IMDG :

ICAO :

14.5 Environmental hazards

Environmentally hazardous substance/marine pollutant

No

14.6 Special precautions for user

IMDG Code segregation group Not applicable.

EmS

Emergency Action Code

Hazard Identification
Number (ADR/RID)

Tunnel restriction code -

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code : Not applicable.

15. Regulatory Information

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

National Regulations

Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.

EU Legislation

Dangerous Preparations Directive 1999/45/EC. 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) (as amended).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Guidance Notes

Workplace Exposure Limits EH40. Safety Data Sheets for Substances and Preparations.

Health and environmental listings

Regulation (EC) 689/2008 of the European Parliament and of the Council of 17 June 2008 concerning the export and import of dangerous chemicals (as amended).

Water hazard classification

WGK 1

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out.

16. Other Information

General Information

For use by trained personnel only. Read the product label and follow instructions carefully. This product should only be used on the surfaces described on the product. Do not use or rinse this product in such a way as to generate excessive product mist, as this can cause unnecessary inhalation hazard.

When using this product, ensure that other unprotected personnel, or members of the public, are not exposed. Where necessary, unprotected persons should be excluded from any area where the product is being used.

All users should have access to, and be familiar with the contents of, this data sheet.

If this product is decanted into other containers, ensure that they are suitable, clean and correctly labelled.

Product spills may be very slippery - ensure that spillages are cleaned up immediately and that adequate warnings are given to other personnel.

This product should NOT be used in the home.

This product should never be mixed with any other.

Issued by

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Supersedes date

09/01/2015

SDS status

Approved.

Disclaimer

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 process.

Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated.

However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.