



SAFETY DATA SHEET POWERFOAM

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

1.1. Product identifier

Product name POWERFOAM

Product number 62547

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

Identified uses Chemical

1.3. Details of the supplier of the safety data sheet

Supplier Univar Solutions UK Ltd
Aquarius House
6 Mid Point Business Park
Bradford
BD3 7AY
+44 1274 267300
+44 1274 267306
SDS.EMEA@univarsolutions.com

1.4. Emergency telephone number

Emergency telephone SGS - +32 (0)3 575 55 55 (24h)

Sds No. 62547

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Skin Corr. 1 - H314 Eye Dam. 1 - H318

Environmental hazards Not Classified

2.2. Label elements

Hazard pictograms



Signal word Danger

Hazard statements H314 Causes severe skin burns and eye damage.

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Precautionary statements

P260 Do not breathe vapour/ spray.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.
 Rinse skin with water or 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.
 P501 Dispose of contents/ container in accordance with national regulations.

Contains

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS, SODIUM ALPHA OLEFIN (C14-16) SULPHONATE, C9-11 ALCOHOL ETHOXYLATE 6 - 8 MOLES OF EO, TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS			10-30%
CAS number: 68891-38-3	EC number: 500-234-8	REACH registration number: 01-2119488639-16-XXXX	

Classification

Skin Irrit. 2 - H315
 Eye Dam. 1 - H318
 Aquatic Chronic 3 - H412

SODIUM ALPHA OLEFIN (C14-16) SULPHONATE			5-10%
CAS number: 68439-57-6	EC number: 931-534-0	REACH registration number: 01-2119513401-57-XXXX	

Classification

Skin Irrit. 2 - H315
 Eye Dam. 1 - H318

C9-11 ALCOHOL ETHOXYLATE 6 - 8 MOLES OF EO			1-5%
CAS number: 68439-46-3			

Classification

Acute Tox. 4 - H302
 Eye Irrit. 2 - H319

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TETRASODIUM ETHYLENE DIAMINE TETRAACETATE			<1%
CAS number: 64-02-8	EC number: 200-573-9	REACH registration number: 01-2119486762-27-XXXX	
Classification Acute Tox. 4 - H302 Acute Tox. 4 - H332 Eye Dam. 1 - H318 STOT RE 2 - H373			

SODIUM HYDROXIDE			<1%
CAS number: 1310-73-2	EC number: 215-185-5	REACH registration number: 01-2119457892-27-XXXX	
Classification Met. Corr. 1 - H290 Skin Corr. 1A - H314 Eye Dam. 1 - H318			

The full text for all hazard statements is displayed in Section 16.

Composition comments The data shown are in accordance with the latest EC Directives.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Keep affected person under observation. Get medical attention. Show this Safety Data Sheet to the medical personnel.
Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention immediately.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention immediately.
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. Get medical attention.

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

Ingestion	Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.
Skin contact	Causes severe burns.
Eye contact	Causes severe burns.

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

Notes for the doctor	No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with foam, carbon dioxide, dry powder or water fog.

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Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Fire creates: Oxides of the following substances: Carbon. Sulphur.

5.3. Advice for firefighters

Protective actions during firefighting Cool containers exposed to flames with water until well after the fire is out. Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters Use air-supplied respirator, gloves and protective goggles.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Good personal hygiene procedures should be implemented. Avoid contact with skin and eyes.

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.

Storage class Corrosive storage.

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.

Ingredient comments WEL = Workplace Exposure Limits

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS (CAS: 68891-38-3)

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DNEL	Workers - Dermal; Long term systemic effects: 2750 mg/kg/day Workers - Inhalation; Long term systemic effects: 175 mg/m³ General population, Consumer - Dermal; Long term systemic effects: 1650 mg/kg/day General population, Consumer - Inhalation; Long term systemic effects: 52 mg/m³ General population, Consumer - Oral; Long term systemic effects: 15 mg/kg/day Workers - Inhalation; Long term systemic effects: 175 mg/m³
PNEC	- Fresh water; 0.24 mg/l - marine water; 0.024 mg/l - STP; 10000 mg/l - Sediment (Freshwater); 5.45 mg/kg - Sediment (Marinewater); 0.545 mg/kg - Soil; 0.946 mg/kg

SODIUM ALPHA OLEFIN (C14-16) SULPHONATE (CAS: 68439-57-6)

DNEL	Workers - Dermal; Long term systemic effects: 2158.33 mg/kg/day Workers - Inhalation; Long term systemic effects: 152.22 mg/m³ Consumer - Dermal; Long term systemic effects: 1295 mg/kg/day Consumer - Oral; Long term systemic effects: 12.95 mg/kg/day
PNEC	marine water; 0.0042 mg/l Sediment (Marinewater); 0.2025 mg/kg Sediment (Freshwater); 2.025 mg/kg Soil; 0.0061 mg/kg Fresh water; 0.042 mg/l STP; 4 mg/l

C9-11 ALCOHOL ETHOXYLATE 6 - 8 MOLES OF EO (CAS: 68439-46-3)

Ingredient comments	No exposure limits known for ingredient(s).
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TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)

DNEL	Workers - Inhalation; Short term local effects: 2.5 mg/m³ Workers - Inhalation; Long term local effects: 2.5 mg/m³ Consumer - Inhalation; Short term local effects: 1.5 mg/m³ Consumer - Inhalation; Long term local effects: 1.5 mg/m³ Consumer - Oral; Long term systemic effects: 25 mg/kg/day
PNEC	- Fresh water; 2.2 mg/l - marine water; 0.22 mg/l - Intermittent release; 1.2 mg/l - Soil; 0.72 mg/kg - STP; 43 mg/l

SODIUM HYDROXIDE (CAS: 1310-73-2)

DNEL	Consumer - Inhalation; Long term local effects: 1 mg/m³ Workers - Dermal; Short term local effects: 2 mg/kg/day Workers - Inhalation; Short term local effects: 2 mg/m³ Workers - Inhalation; Long term local effects: 1 mg/m³
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8.2. Exposure controls

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Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

Eye/face protection

The following protection should be worn: Chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection

The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Provide eyewash station and safety shower. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap and water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin.

Respiratory protection

Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. EN 136/140/141/145/143/149

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Odour	Characteristic.
Odour threshold	No information available.
pH	pH (concentrated solution): 13
Melting point	< 0°C
Flash point	No information available.
Evaporation rate	No information available.
Evaporation factor	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	No information available.
Other flammability	No information available.
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	1.03
Bulk density	No information available.
Partition coefficient	No information available.
Decomposition Temperature	No information available.

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Viscosity No information available.

Explosive properties No information available.

Explosive under the influence of a flame No information available.

Oxidising properties No information available.

9.2. Other information

Other information Not determined.

Refractive index No information available.

Particle size No information available.

Molecular weight No information available.

Volatility No information available.

Saturation concentration No information available.

Critical temperature No information available.

Volatile organic compound No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Not determined.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not determined.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid Not determined.

10.6. Hazardous decomposition products

Hazardous decomposition products Fire creates: Oxides of the following substances: Carbon. Sulphur.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 50,000.0

Skin corrosion/irritation

Skin corrosion/irritation Causes severe burns.

Serious eye damage/irritation

Serious eye damage/irritation Causes severe burns.

Respiratory sensitisation

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Respiratory sensitisation No information available.

Skin sensitisation

Skin sensitisation No information available.

Germ cell mutagenicity

Genotoxicity - in vitro No information available.

Carcinogenicity

Carcinogenicity No information available.

Reproductive toxicity

Reproductive toxicity - fertility No information available.

Specific target organ toxicity - single exposure

STOT - single exposure No information available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure No information available.

Aspiration hazard

Aspiration hazard No information available.

Inhalation May cause respiratory irritation.

Ingestion Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

Skin contact Causes burns.

Eye contact Causes burns. Risk of serious damage to eyes.

Toxicological information on ingredients.

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 4,100.0

Species Rat

ATE oral (mg/kg) 4,100.0

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ >2000 mg/kg, Dermal, Rat

Skin corrosion/irritation

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye damage.

Respiratory sensitisation

Respiratory sensitisation Not sensitising.

Skin sensitisation

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Skin sensitisation	Not sensitising. Guinea pig
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Based on available data the classification criteria are not met. Ames test OECD 471
<u>Carcinogenicity</u>	
Carcinogenicity	Based on available data the classification criteria are not met.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	- NOAEL >300 mg/kg, Oral, Rat OECD 416
Reproductive toxicity - development	- NOAEL: >1000 mg/kg, Oral, Rat OECD 414
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	NOAEL >225 mg/kg, Oral, Rat OECD 408

Inhalation	Gas or vapour in high concentrations may irritate the respiratory system.
Ingestion	May cause burns in mucous membranes, throat, oesophagus and stomach.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye damage.

SODIUM ALPHA OLEFIN (C14-16) SULPHONATE

Acute toxicity - oral

Notes (oral LD₅₀)	LD ₅₀ 2079 mg/kg, Oral, Rat
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Acute toxicity - dermal

Notes (dermal LD₅₀)	LD ₅₀ 6300 - 13500 mg/kg, Dermal, Rabbit
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Acute toxicity - inhalation

Notes (inhalation LC₅₀)	LC ₅₀ >52 mg/l, Inhalation, Rat
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Skin corrosion/irritation

Skin corrosion/irritation	Causes skin irritation.
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Serious eye damage/irritation

Serious eye damage/irritation	Causes serious eye damage.
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Respiratory sensitisation

Respiratory sensitisation	No information available.
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Skin sensitisation

Skin sensitisation	Not sensitising. Guinea pig
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Germ cell mutagenicity

Genotoxicity - in vitro	Bacterial reverse mutation test: Negative. OECD 471 Chromosome aberration: Negative. OECD 473
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Carcinogenicity

Carcinogenicity	No information available.
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Reproductive toxicity

Reproductive toxicity - development Teratogenicity: - NOAEL: 2 mg/kg, Oral, Rabbit

Specific target organ toxicity - single exposure

STOT - single exposure No information available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure No information available.

Aspiration hazard

Aspiration hazard No information available.

Inhalation Gas or vapour in high concentrations may irritate the respiratory system.

Ingestion May cause discomfort if swallowed.

Skin contact Causes skin irritation.

Eye contact Causes severe skin burns and eye damage. May cause permanent damage if eye is not immediately irrigated.

C9-11 ALCOHOL ETHOXYLATE 6 - 8 MOLES OF EO

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ 300 - 2000 mg/kg, Oral, Rat

ATE oral (mg/kg) 500.0

Skin corrosion/irritation

Animal data Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye damage.

Respiratory sensitisation

Respiratory sensitisation No information available.

Skin sensitisation

Skin sensitisation No information available.

Germ cell mutagenicity

Genotoxicity - in vitro No information available.

Carcinogenicity

Carcinogenicity No information available.

Reproductive toxicity

Reproductive toxicity - fertility No information available.

Specific target organ toxicity - single exposure

STOT - single exposure No information available.

Specific target organ toxicity - repeated exposure

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STOT - repeated exposure No information available.

Aspiration hazard

Aspiration hazard No information available.

Inhalation Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing. Harmful by inhalation.

Ingestion Gastrointestinal symptoms, including upset stomach. Harmful if swallowed.

Skin contact May cause defatting of the skin but is not an irritant.

Eye contact Causes serious eye irritation.

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 1,780.0

Species Rat

Notes (oral LD₅₀) LD₅₀ 1780 mg/kg, Oral, Rat

ATE oral (mg/kg) 1,780.0

Acute toxicity - inhalation

Notes (inhalation LC₅₀) LC₅₀ (4h) >1 - <5 mg/l, Inhalation, Rat

ATE inhalation (gases ppm) 4,500.0

ATE inhalation (vapours mg/l) 11.0

ATE inhalation (dusts/mists mg/l) 1.5

Skin corrosion/irritation

Animal data Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye damage.

Skin sensitisation

Skin sensitisation Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro This substance has no evidence of mutagenic properties.

Carcinogenicity

Carcinogenicity Data lacking.

Reproductive toxicity

Reproductive toxicity - fertility This substance has no evidence of toxicity to reproduction.

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Specific target organ toxicity - single exposure

STOT - single exposure Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEC 3 mg/m³, Inhalation, Rat

Target organs Larynx

SECTION 12: Ecological information

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

Ecological information on ingredients.

SODIUM ALPHA OLEFIN (C14-16) SULPHONATE

Ecotoxicity The product is not expected to be hazardous to the environment. However, large or frequent spills may have hazardous effects on the environment.

C9-11 ALCOHOL ETHOXYLATE 6 - 8 MOLES OF EO

Ecotoxicity The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

Ecotoxicity The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.1. Toxicity

Toxicity Not considered toxic to fish.

Ecological information on ingredients.

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: >7.1 mg/l, Fish
OECD 203

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 7.4 mg/l, Daphnia magna
OECD 202
NOEC, 48 hours: 0.27 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: 27.7 mg/l, Algae
OECD 201

SODIUM ALPHA OLEFIN (C14-16) SULPHONATE

Toxicity There are no data on the ecotoxicity of this product.

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 4.2 mg/l, Fish
OECD 203

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Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 4.53 mg/l, Daphnia magna OECD 202

Acute toxicity - aquatic plants EC₅₀, 72 hours: 5.2 mg/l, Algae

Acute toxicity - microorganisms IC₅₀, 3 hours: 230 mg/l, Activated sludge OECD 209

Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates NOEC, 21 days: 6.7 mg/l, Daphnia magna OECD 211

C9-11 ALCOHOL ETHOXYLATE 6 - 8 MOLES OF EO

Toxicity Not considered toxic to fish.

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: > 100 mg/l, Fish
NOAEL, 35 day: 36.9 mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, 24 hours: > 500 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: > 100 mg/l, Algae

Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates NOAEL, 21 day: 25 mg/l, Daphnia magna

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

Ecological information on ingredients.

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS

Persistence and degradability The product is readily biodegradable.

Biodegradation - Degradation (%) 100: 28 days

SODIUM ALPHA OLEFIN (C14-16) SULPHONATE

Persistence and degradability The product is readily biodegradable.

Biodegradation - Degradation > 60%: 28 days
OECD 301B

C9-11 ALCOHOL ETHOXYLATE 6 - 8 MOLES OF EO

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Persistence and degradability This surfactant complies 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.

Biodegradation Water - Degradation (%) 60: 28 days

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

Persistence and degradability Not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient No information available.

Ecological information on ingredients.

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating. BCF: < 3,

Partition coefficient log Pow: 0.3

SODIUM ALPHA OLEFIN (C14-16) SULPHONATE

Bioaccumulative potential Bioaccumulation is unlikely. BCF: 70.8,

Partition coefficient log Pow: -1.3

C9-11 ALCOHOL ETHOXYLATE 6 - 8 MOLES OF EO

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

Partition coefficient log Pow: 3.11 - 4.19

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

Bioaccumulative potential BCF: 1.8, Lepomis macrochirus (Bluegill)

Partition coefficient log Pow: -13

12.4. Mobility in soil

Mobility Not determined.

Ecological information on ingredients.

ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS

Mobility The product is soluble in water.

SODIUM ALPHA OLEFIN (C14-16) SULPHONATE

Mobility The product is soluble in water.

C9-11 ALCOHOL ETHOXYLATE 6 - 8 MOLES OF EO

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Mobility The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

SODIUM ALPHA OLEFIN (C14-16) SULPHONATE

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

C9-11 ALCOHOL ETHOXYLATE 6 - 8 MOLES OF EO

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects No information available.

Ecological information on ingredients.

SODIUM ALPHA OLEFIN (C14-16) SULPHONATE

Other adverse effects None known.

C9-11 ALCOHOL ETHOXYLATE 6 - 8 MOLES OF EO

Other adverse effects Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste is classified as hazardous waste. Do not puncture or incinerate, even when empty.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General Wear protective clothing as described in Section 8 of this safety data sheet.

14.1. UN number

UN No. (ADR/RID) 3266

UN No. (IMDG) 3266

UN No. (ICAO) 3266

UN No. (ADN) 3266

14.2. UN proper shipping name

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Proper shipping name (ADR/RID) CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (CONTAINS SODIUM HYDROXIDE)

Proper shipping name (IMDG) CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (CONTAINS SODIUM HYDROXIDE)

Proper shipping name (ICAO) CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (CONTAINS SODIUM HYDROXIDE)

Proper shipping name (ADN) CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (CONTAINS SODIUM HYDROXIDE)

14.3. Transport hazard class(es)

ADR/RID class 8

ADR/RID classification code C5

ADR/RID label 8

IMDG class 8

ICAO class/division 8

ADN class 8

Transport labels



14.4. Packing group

ADR/RID packing group III

IMDG packing group III

ICAO packing group III

ADN packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

IMDG Code segregation group 18. Alkalies

EmS F-A, S-B

ADR transport category 3

Emergency Action Code 2X

Hazard Identification Number (ADR/RID) 80

Tunnel restriction code (E)

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

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EU legislation

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).

Commission Regulation (EU) No 2015/830 of 28 May 2015.

Restrictions (Annex XVII Regulation 1907/2006)

This product is/contains a substance that is included in REGULATION (EC) No 1907/2006 (REACH) ANNEX XVII - RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES. Entry number: 3

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

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Abbreviations and acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate.
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
 CAS: Chemical Abstracts Service.
 DNEL: Derived No Effect Level.
 IATA: International Air Transport Association.
 IMDG: International Maritime Dangerous Goods.
 Kow: Octanol-water partition coefficient.
 LC₅₀: Lethal Concentration to 50 % of a test population.
 LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).
 PBT: Persistent, Bioaccumulative and Toxic substance.
 PNEC: Predicted No Effect Concentration.
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.
 RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
 vPvB: Very Persistent and Very Bioaccumulative.
 IARC: International Agency for Research on Cancer.
 MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.
 cATpE: Converted Acute Toxicity Point Estimate.
 BCF: Bioconcentration Factor.
 BOD: Biochemical Oxygen Demand.
 EC₅₀: 50% of maximal Effective Concentration.
 LOAEC: Lowest Observed Adverse Effect Concentration.
 LOAEL: Lowest Observed Adverse Effect Level.
 NOAEC: No Observed Adverse Effect Concentration.
 NOAEL: No Observed Adverse Effect Level.
 NOEC: No Observed Effect Concentration.
 LOEC: Lowest Observed Effect Concentration.
 DMEL: Derived Minimal Effect Level.
 EL50: Exposure Limit 50
 hPa: Hectopascal
 LL50: Lethal Loading fifty
 OECD: Organisation for Economic Co-operation and Development
 POW: Octanol-water partition coefficient
 SCBA: self-contained breathing apparatus
 STP: Sewage Treatment Plant
 VOC: Volatile Organic Compounds

Classification abbreviations and acronyms

Acute Tox. = Acute toxicity
 Aquatic Acute = Hazardous to the aquatic environment (acute)
 Aquatic Chronic = Hazardous to the aquatic environment (chronic)

Key literature references and sources for data

Supplier's information.

Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date

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Version number

1.000

SDS number

62547

SDS status

Approved.

POWERFOAM

Hazard statements in full	H290 May be corrosive to metals. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H373 May cause damage to organs through prolonged or repeated exposure. H412 Harmful to aquatic life with long lasting effects.
Signature	Jitendra Panchal

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