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MATERIAL SAFETY DATA SHEET

Mudbuster Caravan & Motorhome Cleaner, Dirt & Trail bike Cleaner, Road bike Cleaner, Alloy Cleaner, Bike Cleaner and Domestic Household Cleaner.

All of the above products come under the terms of this material safety data sheet with small changes to each product in the format of other natural raw materials.

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

This product is a concentrated surfactant blend containing Amphoteric / Non-ionic surfactants, Alkali builders and sequestering agents.

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

Identified use(s) The Intended use is in automotive, industrial and Institutional cleaning.

Uses advised against: DO NOT USE NEAT; this is a concentrated product, thus is designed to be used when diluted with clean water. Please consult supplier prior to use for recommended dilution concentrations.

1.3 Details of the supplier of the safety data sheet

Company Identification:

Mudbuster Products Ltd.
1C, 116 Moneymore Road
Magherafelt
Co Londonderry
BT45 6HJ

Email: ryoung930@btinternet.com

1.4 Emergency telephone number

In an emergency dial 999 (UK Only) or 112 (EU)
For specialist advice in an emergency telephone 02879 301516 or 0777 588 4738

2. HAZARDS IDENTIFICATION

Regulation (EC) No: 1272/2008 (CLP).

2.2 Label elements Hazard statement:

H315: Causes skin irritation
H320: Causes eye irritation

Signal word(s)

Warning



Hazard pictogram

Precautionary statement(s)

P260: Do not breathe mist/vapours/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): Remove/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.

P310: Immediately call a POISON CENTER or doctor/physician.

Additional Label requirements

None

2.3 Other hazards

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Substances

Hazardous ingredients(s)	% (w/w)	CAS No:	H Codes	GHS Classification
Alcohols, C12-13-branched and linear	1.0 – 5.0	160901-19-9	318	Serious eye damage, Cat 1
1-propanaminium, 3-amino-n-(carboxymethyl)-n,ndimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts	1.0 – 5.0	931-513-6	318	Serious eye damage, Cat1
Poly(oxy-1,2 ethanediol), α -phenyl- ω -hydroxy-phosphate potassium salt	1.0 – 5.0	72283-31-9	Not Classified	Not Classified
β -Alanine, N-coco alkyl derivs., sodium salts	1.0 – 5.0	68608-68-4	320	Eye irritation, Cat 2
Phosphonate Potassium Salt	5.0 – 10.0	200-578-6	320	Eye irritation, Cat 2

Sulphonic acids, C14-16(even numbered)-alkane hydroxy and C14-16(even numbered)-alkene, sodium salts	1.0 – 5.0	68439-57-6	315, 318	Skin irritation, Cat2 Eye irritation, Cat 1
Sodium Hydroxide	0.1 – 1.0	001310-73-2	314, 290	Skin Corr 1 A Met Corr 1
2-aminoethanol	1.0 – 5.0	141-43-5	314	Skin Corr 1A, 1B,1C

4. FIRST AID MEASURES

INHALATION

Remove patient from exposure, keep warm and at rest. Administer oxygen if necessary

SKIN CONTACT

Remove contaminated clothing. Drench with large quantities of water. Continue to wash the affected area for at least 10 minutes.

EYE CONTACT

Immediately irrigate with eyewash solution or clean water, holding the eyelids apart for at least 15 minutes. Continue irrigation until medical attention can be obtained.

INGESTION

Do not induce vomiting. Provided the patient is conscious, wash out mouth with water and give 200-300 ml (half a pint) of water to drink.

4.2 Most important symptoms and effects, both acute and delayed

Causes severe damage to eyes and moderate irritation to skin. May cause severe damage with formation of corneal ulcers and permanent impairment of vision. Mist is irritating to the respiratory tract. Effect may vary from irritation of the nasal mucous membrane to severe lung irritation. Will immediately cause corrosion of and damage to the gastrointestinal tract.

This product is designed to be used in a heavily diluted form with clean water, the outlined first aid measures and hazard information are specific to the neat product. When diluted for use in water, the severity of the effects outlined is substantially reduced.

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

Speed is essential. Obtain immediate medical attention if ingested or exposure to eyes has occurred. Remove contaminated clothing and wash all affected areas with plenty of water. Symptomatic treatment and supportive therapy as indicated.

5. FIRE FIGHTING MEASURES

Extinguishing Media : Foam, CO2 or dry powder
Suitable extinguishing media As appropriate for surrounding fire

5.2 Special Hazards arising from the substance or mixture

Non combustible.

5.3 Advice for fire fighters

A self contained breathing apparatus and suitable protective clothing must be worn in fire conditions.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure suitable personal protection during removal of spillages.

6.2 Environmental precautions

Avoid release to the environment. Prevent liquid entering sewers, basements and any watercourses.

6.3 Methods and material for containment and cleaning up

Stop leak if safe to do so. Contain spillages.

Small spillages: Neutralise wherever possible. Wash the spillage area with water.

Large spillages: Contain spillages with sand, earth or any suitable adsorbent material. Remove and dispose of residues. Wash the spillage area with water. Water washing to drain of large amounts of caustic soda should only be carried out with the prior consent of the Environment Agency or other appropriate regulatory body.

Contaminated adsorbent must be removed in sealed, plastic lined drums and disposed of via an authorised waste disposal contractor.

6.4 Reference to other sections

See Section: 8, 13

6.5 Additional information

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environment Agency or other appropriate regulatory body.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Keep away from acids and chlorinated hydrocarbons.

Care should be taken when diluting solutions. Do not spray. Avoid generation of aerosols or mist.

7.2 Conditions for safe storage, including any incompatibilities

For small quantities - Keep container tightly closed.

7.3 Specific end use(s)

Automotive cleaning solution, to only be used in a diluted form with clean fresh water.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 Control Parameters

Hazardous Ingredients	CAS No	LTEL 8 hr TWA ppm	LTEL 8hr TWA mg/m3	STEL ppm	STEL mg/m3	Note
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Sodium 001310-- - - 2 WEL
Hydroxide73-2

Mercury & its inorganic divalent compounds		-	0.02	-	-	IOELV, Sk
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DNEL / DMEL	Oral	Inhalation	Dermal
Industry – Long term Local Effects	-	1.0 mg/m ³	-
Industry- Long term- Systemic effects	-	-	-
Industry - Short term - Local effects	-	-	2%
Industry - Short term - Systemic effects	-	-	-
Consumer. - Long Term - Local effects	-	1.0 mg/m ³	-
Consumer. - Long Term - Local effects	-	-	-
Consumer. - Short term - Local effects	-	-	2%
Consumer. - Short term - Systemic effects	-	-	-
Environment		PNEC	
Aquatic compartment (including sediment)		Not relevant for this material	
Terrestrial Compartment		Not relevant for this material	
Atmospheric compartment		Not relevant for this material.	

8.2 Exposure controls

Appropriate engineering controls

Provide adequate ventilation, including appropriate local extraction, if fumes or vapours are likely to be evolved.

Personal Protection

Eye/face protection Wear close fitting goggles or full face shield.

Skin protection

Wear suitable protective clothing and gloves.

Suitable Materials: PVC, Neoprene, natural rubber

Unsuitable gloves materials: Leather

Leather footwear is not suitable.

Check with protective equipment manufacturer's data.

Respiratory protection

Not expected to be required under normal usage conditions.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Form	low viscosity liquid.
Colour	Characteristic
Solubility (water)	Complete
Density gcm ⁻³ (@20degC	1.03
pH	14.0

9.2 Other information

Refer to technical brochure.

10. STABILITY AND REACTIVITY

10.1 Reactivity

Contact with some organic chemicals can produce violent or explosive reactions.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Can react violently if in contact with acids and chlorinated hydrocarbons. Can react with sugar residues to form carbon monoxide.

10.4 Conditions to avoid

If electric arc welding or cutting, particular attention must be paid to the way the circuit is completed to eliminate the possibility of electrolysis of liquor producing hydrogen.

10.5 Incompatible materials

Keep away from: Acids, ammonia solution, chlorinated hydrocarbons

10.6 Hazardous Decomposition Product(s)

Carbon Dioxide

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Test result / data

Acute oral toxicity Will immediately cause corrosion of and damage to the gastrointestinal tract.

Acute inhalation toxicity Mist is severely irritant to the respiratory tract. Effect may vary from irritation of the nasal mucous membrane to severe lung irritation.

Acute dermal toxicity	May cause burns with permanent skin damage which are slow to heal. Repeated or prolonged contact to dilute solutions may cause dermatitis.
Skin irritation.	Causes severe skin irritation.
Serious eye damage/irritation	Causes serious eye damage. May cause severe damage with formation of corneal ulcers and permanent impairment of vision.
Respiratory irritation	Mist is severely irritating to the respiratory tract. Effect may vary from irritation of the nasal mucous membrane to severe lung irritation.
Sensitisation	Respiratory system: No data. There is no evidence of skin sensitisation in humans.
Repeated dose toxicity	No reliable data available.
Germ cell mutagenicity	There is no evidence of mutagenic potential. The material did not induce mutagenicity in in-vitro or in-vivo studies.
Carcinogenicity	Is mildly corrosive to the skin and respiratory tract and will not be systemically available in the body under normal conditions of handling and use. As a consequence it is not expected to cause cancer in any organ.
Reproductive toxicity	Will not be systemically available in the body under normal conditions of handling and use and will not be toxic to the reproductive system or the developing foetus.
Specific target organ toxicity – single exposure (STOT SE)	Not classified
Specific target organ toxicity – repeated exposure (STOT RE)	Not classified
Aspiration hazard	Not an aspiration hazard
Other effects	None

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No reliable data available. Concentrations greater than 10ppm, especially in fresh water, or a pH value equal to or greater than 10.5 may be fatal to fish and other aquatic organisms. Can cause damage to aquatic plants. Can cause damage to vegetation.

12.2 Persistence and degradability

Highly soluble in water and has a low vapour pressure. It will be found predominantly in the aquatic environment. It degrades readily.

12.3 Bioaccumulative potential

Does not bioaccumulate.

12.4 Mobility in soil

Becomes increasingly more mobile in soil with dilution.

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

Concentrations sufficient to render effluent alkaline may cause damage to effluent treatment organisms.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal should be in accordance with local, state or national legislation.

Do not empty into drains; dispose of this material and its container in a safe way.

Contaminated adsorbent must be removed in sealed, plastic lined drums and disposed of via an authorised waste disposal contractor.

13.2 Additional information

Sludge waste containing mercury (see Storage) will require to be disposed of in an authorised treatment facility licenced under the Environmental Protection Act (EPA).

14. TRANSPORT INFORMATION

Not classified as hazardous for transport

15. REGULATORY INFORMATION

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

Control of Substances Hazardous to Health Regulations (COSHH) 2002 SI 2002/2677 and COSHH Essentials:
Easy steps to control chemicals - Control of Substances Hazardous to Health Regulations HSG193.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment (CSA) has not been completed for this substance

This surfactant complies with the biodegradation criteria as laid down in regulation (EC) No648/2004 on detergents.

16. OTHER INFORMATION

Indication of changes See Section: 8.1, 14.4

LEGEND

WEL : Workplace Exposure Limit (UK HSE EH40)

COM : The company aims to control exposure in its workplace to this limit

TLV : The company aims to control exposure in its workplace to the ACGIH limit

TLV-C: The company aims to control exposure in its workplace to the ACGIH Ceiling limit
MAK: The company aims to control exposure in its workplace to the German limit
Sk: Can be absorbed through skin
Sen: Capable of causing respiratory sensitisation
Bmgv: Biological monitoring guidance value (UK HSE EH40)
ILV: Indicative Limit Value (UK HSE EH40)
IOELV: Indicative Occupational Exposure Limit Value
PBT Persistent, Bioaccumulative and Toxic
vPvB very Persistent very Bioaccumulative

Legal disclaimer: The information provided is based on our current knowledge, and does not comprise technical or performance specification for this product. It does not purport to be all-inclusive, and is intended solely as a general guide to the health, safety and environmental implications of this product for handling and disposal during general use. It does not replace the users own assessment of suitability for their purposes and of workplace risk as required by Health and Safety legislation. Accordingly, due to the diverse applications for this product, Mudbuster Products Ltd cannot accept liability for damage of any nature, resulting from the use of this product.