

SAFETY DATA SHEET Armor All® Wheel Foam

According to Regulation (EC) No 1907/2006, Annex II, as amended.

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

1.1. Product identifier

Product name Armor All® Wheel Foam

Product number 33500

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

Identified uses Automotive foam cleaner.

Uses advised againstNo specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier

Armored Auto UK Ltd

Unit 16, Rassau Industrial Estate

Ebbw Vale

Gwent NP23 5SD

UK

Tel: +44 1495 350234 Fax: + 44 1495 350431

euregulatory@eu.spectrumbrands.com

1.4. Emergency telephone number

Emergency telephone +44 1495 350234

Monday - Thursday: 0830 - 1700

Friday: 0830 - 1530

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Aerosol 1 - H222, H229

Health hazards Eye Irrit. 2 - H319

Environmental hazards Not Classified

Physicochemical Containers can burst violently or explode when heated, due to excessive pressure build-up.

When sprayed on a naked flame or any incandescent material the aerosol vapours can be

ignited.

2.2. Label elements

Pictogram





Armor All® Wheel Foam

Signal word Danger

Hazard statements H222 Extremely flammable aerosol.

H229 Pressurised container: may burst if heated

H319 Causes serious eye irritation.

P101 If medical advice is needed, have product container or label at hand. **Precautionary statements**

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use. P280 Wear eye and face 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. P337+P313 If eye irritation persists: Get medical advice/ attention.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Detergent labelling 5 - < 15% aliphatic hydrocarbons, < 5% EDTA and salts thereof, < 5% non-ionic surfactants

Supplementary precautionary P264 Wash contaminated skin thoroughly after handling.

statements

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

Hydrocarbons, C3-4-rich, petroleum distillate

10 - <25%

CAS number: 68512-91-4 EC number: 270-990-9

Classification Flam. Gas 1 - H220

Press. Gas, Liquefied - H280

2-(2-butoxyethoxy)ethanol 2.5 - < 5%

CAS number: 112-34-5 EC number: 203-961-6

Classification

Eye Irrit. 2 - H319

Dodecyldimethylamine oxide 1 - < 2.5%

CAS number: 1643-20-5 EC number: 216-700-6

M factor (Acute) = 1

Classification

Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411

tetrasodium ethylene diamine tetraacetate

1 - < 2.5%

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

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

Inhalation Move affected person to fresh air and keep warm and at rest in a position comfortable for

breathing. Get medical attention if any discomfort continues.

Ingestion Rinse mouth thoroughly with water. 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 if any discomfort continues.

Skin contact Remove contaminated clothing immediately and wash skin with soap and water. Do not use

organic solvents. Get medical attention if any discomfort continues.

Eye contact 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

Inhalation Vapours may cause headache, fatigue, dizziness and nausea.

Ingestion May cause discomfort if swallowed.

Skin contact Prolonged skin contact may cause redness and irritation.

Eye contact This product is strongly irritating. Prolonged contact may cause redness and/or tearing. May

cause discomfort. Pain. Profuse watering of the eyes. Redness.

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

Notes for the doctor

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

length of exposure.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with the following media: Dry chemicals, sand, dolomite etc. Carbon dioxide (CO2).

Water spray, fog or mist.

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

Hazardous combustion

products

Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Toxic gases or vapours.

5.3. Advice for firefighters

Protective actions during

firefighting

Use water to keep fire exposed containers cool and disperse vapours.

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

for firefighters

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near

> spillage. Ventilate closed spaces before entering them. 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.

6.4. Reference to other sections

Reference to other sections See Section 11 for additional information on health hazards. For waste disposal, see Section

13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Read and follow manufacturer's recommendations. Keep away from heat, sparks and open

flame. Provide adequate ventilation.

Advice on general

Avoid contact with eyes and prolonged skin contact. Good personal hygiene procedures occupational hygiene

should be implemented. Wash hands and any other contaminated areas of the body with soap

and water before leaving the work site.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in a cool and well-ventilated place.

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

Hydrocarbons, C3-4-rich, petroleum distillate

Long-term exposure limit (8-hour TWA): WEL 600 ppm 1450 mg/m³ Short-term exposure limit (15-minute): WEL 750 ppm 1810 mg/m³

2-(2-butoxyethoxy)ethanol

Long-term exposure limit (8-hour TWA): WEL 10 ppm 67.5 mg/m³ Short-term exposure limit (15-minute): WEL 15 ppm 101.2 mg/m³

WEL = Workplace Exposure Limit

8.2. Exposure controls

Appropriate engineering

Avoid inhalation of vapours and spray/mists. Provide adequate ventilation.

controls

No specific eye protection required during normal use. Eyewear complying with an approved Eye/face protection

standard should be worn if a risk assessment indicates eye contact is possible.

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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.

Hygiene measures No specific hygiene procedures recommended but good personal hygiene practices should

always be observed when working with chemical products.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance Opaque liquid.

Colour White.

Odour Hydrocarbons.

Odour threshold Not determined.

pH (concentrated solution): 10.95 - 11.45 Liquid.

Melting pointNot determined.Initial boiling point and rangeNot determined.Flash pointNot determined.Evaporation rateNot determined.

Flammability (solid, gas) Not determined.

Upper/lower flammability or

explosive limits

Evaporation factor

Not determined.

Not determined.

Not determined.

Vapour pressure

Vapour density

Not determined.

Relative density

Not determined.

Bulk density

Not determined.

Partition coefficient

Not determined.

Auto-ignition temperature Not determined.

Decomposition Temperature Not determined.

Explosive properties Not considered to be explosive.

Oxidising properties The mixture itself has not been tested but none of the ingredient substances meet the criteria

for classification as oxidising.

9.2. Other information

Other information No information required.

SECTION 10: Stability and reactivity

10.1. Reactivity

Viscosity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

Possibility of hazardous

reactions

Will not polymerise.

10.4. Conditions to avoid

Conditions to avoid Avoid exposing aerosol containers to high temperatures or direct sunlight. Avoid heat, flames

and other sources of ignition. Avoid the accumulation of vapours in low or confined areas.

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

Does not decompose when used and stored as recommended. Decomposition at ambient temperatures may generate the following substances: Carbon dioxide (CO2). Carbon

monoxide (CO). Acrid smoke or fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Notes (oral LD₅) Based on available data the classification criteria are not met.

ATE oral (mg/kg) 43,815.49

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 (dusts/mists

mg/l)

114.01

Skin corrosion/irritation

Animal data Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Eye Irrit. 2 - H319 Causes serious eye irritation.

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

Based on available data the classification criteria are not met.

Genotoxicity - in vivo

Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

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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 Based on available data the classification criteria are not met.

Aspiration hazard

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

Hydrocarbons, C3-4-rich, petroleum distillate

Germ cell mutagenicity

Genotoxicity - in vivo Chromosome aberration: Negative. REACH dossier information.

Reproductive toxicity

Reproductive toxicity -

fertility

One-generation study - NOAEC 10000 ppm, Inhalation, Rat P REACH dossier

information.

Reproductive toxicity -

development

Developmental toxicity: - NOAEC: 10426 ppm, Inhalation, Rat REACH dossier

information.

2-(2-butoxyethoxy)ethanol

Acute toxicity - oral

Acute toxicity oral (LD50

mg/kg)

2,410.0

Species Mouse

Notes (oral LD₅₀) REACH dossier information.

ATE oral (mg/kg) 2,410.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 27,640.0

mg/kg)

Species Rabbit

Notes (dermal LD50) REACH dossier information.

ATE dermal (mg/kg) 27,640.0

Skin corrosion/irritation

Animal data Dose: 0.5 ml, 1 hour, Rabbit REACH dossier information. Based on available data

the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Eye Irrit. 2 - H319 Causes serious eye irritation.

Skin sensitisation

Skin sensitisation Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. REACH dossier

information.

Germ cell mutagenicity

Genotoxicity - in vitro Chromosome aberration: Negative. REACH dossier information.

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Genotoxicity - in vivo Chromosome aberration: Negative. REACH dossier information.

Reproductive toxicity

Reproductive toxicity - development

Maternal toxicity: - NOAEL: 633 mg/kg/day, Oral, Rat REACH dossier information.

No evidence of reproductive toxicity in animal studies.

Dodecyldimethylamine oxide

Acute toxicity - oral

Acute toxicity oral (LD $_{50}$

mg/kg)

1,064.0

Species Rat

ATE oral (mg/kg) 1,064.0

tetrasodium ethylene diamine tetraacetate

Acute toxicity - oral

Acute toxicity oral (LD50

mg/kg)

1,780.0

Species Rat

Notes (oral LD₅₀) REACH dossier information. Acute Tox. 4 - H302 Harmful if swallowed.

ATE oral (mg/kg) 1,780.0

Acute toxicity - inhalation

Notes (inhalation LC50) Converted acute toxicity point estimate (cATpE)

ATE inhalation

(dusts/mists mg/l)

Skin corrosion/irritation

Animal data Dose: 0.5 g, 4 hours, Rabbit Erythema/eschar score: Very slight erythema - barely

perceptible (1). REACH dossier information. Not irritating.

Serious eye damage/irritation

Serious eye Dose: 50 mg, 8 days, Rabbit REACH dossier information. Eye Dam. 1 - H318

damage/irritation Causes serious eye damage.

1.5

Skin sensitisation

Skin sensitisation Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. REACH dossier

information. Read across data.

Germ cell mutagenicity

Genotoxicity - in vitro Chromosome aberration: Negative. REACH dossier information. Read across data.

Based on available data the classification criteria are not met.

Genotoxicity - in vivoChromosome aberration: Negative. REACH dossier information. Read across data.

Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity NOAEL ≥500 mg/kg/day, Oral, Rat REACH dossier information. Read across data.

Based on available data the classification criteria are not met.

Reproductive toxicity

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Reproductive toxicity -

fertility

Multi-generation study - NOAEL ≥ 250 mg/kg/day, Oral, Rat P, F1 REACH dossier information. Read across data. Based on available data the classification criteria

are not met.

Reproductive toxicity development

Maternal toxicity: - LOAEL: 1374 mg/kg/day, Oral, Rat REACH dossier information.

SECTION 12: Ecological Information

12.1. Toxicity

Toxicity

Not considered toxic to fish.

Hydrocarbons, C3-4-rich, petroleum distillate

Acute toxicity - fish LC₅₀, 96 hours: 49.47 mg/l, Algae

REACH dossier information.

QSAR

2-(2-butoxyethoxy)ethanol

Acute toxicity - fish LC₅₀, 96 hours: 1300 mg/l, Lepomis macrochirus (Bluegill)

REACH dossier information.

Acute toxicity - aquatic

invertebrates

NOEC, 48 hours: ≥100 mg/l, Daphnia magna EC₅₀, 48 hours: >100 mg/l, Daphnia magna

REACH dossier information.

Acute toxicity - aquatic

plants

NOEC, 96 hours: ≥ 100 mg/l, Desmodesmus subspicatus

REACH dossier information.

Acute toxicity -EC₁₀, 30 minutes: > 1995 mg/l, Activated sludge

microorganisms REACH dossier information.

Dodecyldimethylamine oxide

Acute aquatic toxicity

 $0.1 < L(E)C50 \le 1$ LE(C)50

M factor (Acute) 1

tetrasodium ethylene diamine tetraacetate

LC₅₀, 96 hours: 121 mg/l, Lepomis macrochirus (Bluegill) Acute toxicity - fish

LC₁₀₀, 96 hours: 138 mg/l, Lepomis macrochirus (Bluegill)

REACH dossier information.

Acute toxicity - aquatic

invertebrates

ECo, 24 hours: 310 mg/l, Daphnia magna EC₅₀, 24 hours: 625 mg/l, Daphnia magna

EC₁₀₀, 24 hours: 1250 mg/l, Daphnia magna REACH dossier information.

EC₂₀, 30 minutes: > 500 mg/l, Activated sludge Acute toxicity microorganisms

EC₁₀, 30 minutes: > 500 mg/l, Activated sludge

REACH dossier information.

Read across data.

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Acute toxicity - terrestrial EC₅₀, 14 days: 156.46 mg/kg, Eisenia Fetida (Earthworm)

REACH dossier information.

Read across data.

Chronic toxicity - fish early NOEC, 35 days: ≥25.7 mg/l, Brachydanio rerio (Zebra Fish)

life stage

REACH dossier information.

Read across data.

Chronic toxicity - aquatic

invertebrates

NOEC, 21 days: 25 mg/l, Daphnia magna LOEC, 21 days: 50 mg/l, Daphnia magna

LC₀, 21 days: ≥100 mg/l, Daphnia magna

REACH dossier information.

Read across data.

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 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.

Hydrocarbons, C3-4-rich, petroleum distillate

Phototransformation Water - DT₅₀: 1906 days

REACH dossier information.

Calculation method.

Biodegradation Water - Degradation (100%): 385.5 hours

REACH dossier information.

The substance is readily biodegradable.

2-(2-butoxyethoxy)ethanol

Biodegradation Water - Degradation (~85%): 28 days

REACH dossier information.

The substance is readily biodegradable.

tetrasodium ethylene diamine tetraacetate

Phototransformation Water - DT₅₀: 2.12 hours

REACH dossier information.

Read across data.

Biodegradation Water - Degradation (0 - 20%): 20 days

REACH dossier information.

Read across data.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not determined.

Hydrocarbons, C3-4-rich, petroleum distillate

Partition coefficient log Pow: 2.3058 REACH dossier information. QSAR

2-(2-butoxyethoxy)ethanol

Partition coefficient log Pow: 1 REACH dossier information.

tetrasodium ethylene diamine tetraacetate

Bioaccumulative potential BCF: 1.1 - 1.8, Lepomis macrochirus (Bluegill) REACH dossier information.

12.4. Mobility in soil

Mobility The product is insoluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB

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

assessment

12.6. Other adverse effects

Other adverse effects Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Dispose of waste product or used containers in accordance with local regulations Do not

puncture or incinerate, even when empty.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1950

UN No. (IMDG) 1950

UN No. (ICAO) 1950

UN No. (ADN) 1950

14.2. UN proper shipping name

Proper shipping name

(ADR/RID)

AEROSOLS

Proper shipping name (IMDG) AEROSOLS

Proper shipping name (ICAO) AEROSOLS

Proper shipping name (ADN) AEROSOLS

14.3. Transport hazard class(es)

ADR/RID class 2.1

ADR/RID classification code 5F

ADR/RID label 2.1

IMDG class 2.1

ICAO class/division 2.1

ADN class 2.1

Transport labels



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14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-D, S-U

ADR transport category 2

Tunnel restriction code (D)

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

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

SECTION 15: Regulatory information

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

National regulations EH40/2005 Workplace exposure limits.

EU legislation 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)

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).

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

Council Directive of 20 May 1975 on the approximation of the laws of the Member States

relating to aerosol dispensers (75/324/EEC) (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Classification procedures according to Regulation (EC)

Aerosol 1 - H222, H229: Expert judgement. Eye Irrit. 2 - H319: Calculation method.

1272/2008

Revision comments Revised classification. Revised formulation.

Revision date 05/07/2016

Revision 10

Supersedes date 15/12/2014

SDS number 416

Hazard statements in full H220 Extremely flammable gas.

H222 Extremely flammable aerosol.

H229 Pressurised container: may burst if heated

H280 Contains gas under pressure; may explode if heated.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H373 May cause damage to organs (Respiratory tract) through prolonged or repeated

exposure if inhaled.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

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