

Revision no

SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name A.W.C

Product type Liquid

1.2 Relevant identified uses of the substance or mixture

PRODUCT USE Industrial uses: Uses of substances as such or in preparations at Industrial sites;(PC35) Washing and cleaning products

Description Alloy Wheel Cleaner and rust remover

1.3 Details of the supplier of the safety data sheet

Supplier Spectrum industrial limited
Bedesway
Bede industrial estate
Jarrow
Tyne & Wear
NE32 3EG
Tel 0191 4301111

Email address sales@spectrum-ind.co.uk1.4 Emergency telephone number 0191 4301111 (9.00am – 5pm Mon-Fri)

SECTION 2 : HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.2 Classification – EC 1272/2008 Met.Corr.1: H290; Skin Corr. 1A: H314:

2.2 Label elements

Hazard pictograms



Signal Word Danger

Hazard Statement Met Corr.1: H290 – May be corrosive to metals.
Skin Corr. 1A: H314 – Causes severe skin burns and eye damage

Precautionary Statement: P102 – Keep out of reach of children

Prevention P260 – Do not breathe dust/fume/gas/mist/vapours/spray.
P264 – Wash thoroughly after handling.
P280 – Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statement: P301+P330+P331 – IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
Response P313 – Get Medical Attention
P303+P361+P353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P332+P313 – If skin irritation occurs: Get medical attention
P304+P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
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 attention.
P363 – Wash contaminated clothing before reuse.

2.3 Other hazards

This product does not contain any PBT or vPvB substances

Supplemental label Contains Phosphoric and Hydrochloric acid

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information

SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS

3.2. Mixtures

EC 1272/2008

Chemical name	Index No	Cas No	EC No	REACH Registration (% w / w)	Conc	Classification
Phosphoric acid	015-011-006	7664-38-2	231-633-2	01-2119485924-24	10 - 30%	Skin Corr. 1B: H314;
C9-11 Alcohol Ethoxylate		68439-46-3			1 - 10%	Acute Tox.4:H302; Eye Dam .1:H318
Hydrochloric acid	017-002-01	7647-01-0	231-595-7	01-2119484862-27	1 - 10%	Met.Corr1.: H290 Skin Corr. 1B:H314; STOT SE 3: H335

SECTION 4 : FIRST AID MEASURES

4.1 Description Of first aid measures

Inhalation

Move the exposed person to fresh air. Seek medical advice

Ingestion

Ingestion causes burns to the respiratory tract. DO NOT INDUCE VOMITING. If swallowed seek medical advice immediately and show this container or label.

Skin contact

Causes Burns. Wash the skin immediately with soap and water. Get medical attention if discomfort continues

Eye contact

Causes Burns. Causes severe inflammation and may damage the cornea. Immediately flush with plenty of water for up to 15 minutes. Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation

Inhalation may cause shortness of breath

Ingestion

Causes Burns

Skin contact

Can cause severe burns if contact prolonged

Eye contact

Contact with liquid can cause eye damage

4.3 Indication of any immediate medical attention and special treatment needed

Treat Symptomatically

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

This product is not flammable. Use fire-extinguishing media appropriate to surrounding materials

5.2 Special hazards arising from the substance or mixture

When heated and in case of fire, harmful vapours/gases may be formed

5.3 Advice for fire-fighters

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Protective equipment for fire-fighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Wear suitable protective equipment.

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

Small quantities may be flushed to drains with plenty of water. Large spillages absorb in vermiculite, dry sand or earth and place into containers for disposal. Flush with plenty of water to clean spillage area.

6.4 Reference to other sections

For personal protection see section 8. Collect and dispose of spillage as indicated in section 13

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Wear suitable protective clothing, gloves and eye/face protection. Ensure there is sufficient ventilation of the area.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated area. Keep away from Chlorine and alkalis

7.3 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

Name	STD
Phosphoric acid... 100%	WEL 15 minute limit 2 mg/m ³ .
Hydrochloric acid... 100%	WEL 15 Minute limit 5 ppm ; 8 mg/m ³

8.2 Exposure controls



8.2.1 Appropriate engineering Controls

Ensure adequate ventilation of the working area.

8.2.2 Individual Protection Measures

Wear acid resistant protective clothing.

Eye / face protection

Approved safety goggles or face shield. Ensure eye bath is to hand.

Hand protection

Chemical resistant gloves (PVC)

Respiratory protection

If insufficient ventilation, Gas/vapour filter, type E: sulphur dioxide and other Acid gases (EN 141) must be worn

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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9.1 Information on basic physical and chemical properties

State	Liquid
Colour	Colourless
Odour	Characteristic odour
Solubility	Soluble in water
Viscosity	Non viscous
pH-value	<2
Flash point	Boils w without flashing
Relative density	1.15 – 1.25 (water = 1 @ 20 C)

9.2 Other information

None

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity**

The solution is strongly acidic and reacts with alkalis with heat generation

10.2 Chemical stability

Stable under normal temperature conditions

10.3 Possibility of hazardous reactions

Not determined

10.4 conditions to avoid

There are no known conditions that are likely to result in a hazardous situation

10.5 Incompatible materials**Materials to avoid**

Alkalis. Chlorine releasing materials will liberate toxic gas

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

Skin corrosion/ Irritation	Causes burns
Serious eye damage/ irritation	Causes burns

11.1.4 Toxicological information

C9-11 Alcohol Ethoxylate	Dermal rat LD50 2000 mg/kg
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SECTION 12: ECOLOGICAL INFORMATION**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

C9-11 Alcohol Ethoxylate	Daphnia EC50/48h: 5.3 mg/l
Hydrochloric Acid	Daphnia EC50/48h: 0.45 mg/l; Fish LC50/96hrs 20.5 mg/l

12.2 Persistence and degradability

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The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) no 684/2004 on detergents.

12.3 Bioaccumulative potential

Not expected to be bioaccumulating

12.4 Mobility in soil

Soluble in water

12.5 Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances

12.6 Other adverse effects

Not known

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Dispose of in compliance with all local and national regulations.

13.1 Waste treatment methods

Discharge used solutions to drain. Less than 5 litres of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal by approved waste contractor.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

UN No (ADR/RID/AND)	3264
UN No (IMDG)	3264
UN No (ICAO)	3264

14.2 UN proper shipping name

Proper shipping name Corrosive liquid, acidic, inorganic N.O.S (Contains phosphoric and Hydrochloric acid)

14.3 Transport hazard class(es)

ADR/RID/AND Class	Class 8: Corrosive substances
IMDG Class	Class 8: Corrosive substances
ICAO Class/Division	Class 8: Corrosive substances
Transport labels	



14.4 Packing group

ADR/RID/AND Packing group	III
IMDG Packing group	III
ICAO Packing group	III

14.5 Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

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NO

14.6 Special precautions for user

EM S F-A, S-B
Tunnel Restriction Code (E)
Transport category 3

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Not relevant for packed product

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Safety data sheet prepared in accordance with REACH commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). The product is classified under GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances and mixtures. Ingredients are listed with classification under both CHIP - Directive 67/548/EEC classification, packaging & labelling of dangerous substances & GHS/CLP - Regulations (EC) no 1272/2008 classification, labelling & packaging of substances & mixtures.

15.2 Chemical Safety Assessment

Not applicable this product is a mixture

SECTION 16: OTHER INFORMATION**Other information**

The Risk phrases / Hazard statements listed below in this section No 16 relate to the Raw Materials (ingredients) in the product (as listed in section 3) and Not the product itself. For the risk phrases/hazard statements relating to this product see section 2.

Text of hazard statements in section 3

H290	May be corrosive to metals
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation

Further information

The information supplied in this data sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication; however no guarantee is made to its accuracy. 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 other process.