SAFETY DATA SHEET

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

1.1. Product identifier

Product form	:	Mixture
Name	:	Frequent Use Alloy Wheel Cleaner Concentrated
Synonyms	:	(AWC5000, AWC25000)

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

1.2.1. Relevant identified uses

Intended for general public

Main use category	:	Professional use
Use of the substance/mixture	:	Cleaning/washing agents and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Automotive Brands
Weston Road, Bretforton, Evesham,
WR11 7QA, Worcestershire, United Kingdom.
T +44(0)1789330 668
info@powermaxed.com

1.4. Emergency telephone number 01789 330 668

Emergency number	:	UK Office Hours Only

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 1B	H314	

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Causes severe skin burns and eye damage.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)	:						
		GHS05					
Signal word (CLP)	:	Danger					
Hazardous ingredients	:	sodium hydroxide; caustic soda; potassium hydroxide					
Hazard statements (CLP)	:	H314 - Causes severe skin burns and eye damage.					
Precautionary statements (CLP)	:	P102 - Keep out of reach of children. P260 - Do not breathe fume, vapours. P264 - Wash hands, forearms and face thoroughly after handling. P280 - Wear eye protection, protective gloves. 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 .					

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ALCOHOLS C6-C12 ETHOXYLATED	(CAS-No.) 68439-45-2 (EC-No.) 614-481-5	<5	Eye Dam. 1, H318
TETRASODIUM ETHYLENDIAMINE TETRAACETATE	(CAS-NO) 64-02-08 (EC-NO) 200-573-9	<2	ACUTE TOX 4: H332 ACUTE TOX:H302 EYE DAM1:H318; STOT RE :H37
sodium hydroxide; caustic soda	(CAS-No.) 1310-73-2 (EC-No.) 215-185-5 (EC Index-No.) 011-002-00-6	0,1 -2	Skin Corr. 1A, H314
potassium hydroxide	(CAS-No.) 1310-58-3 (EC-No.) 215-181-3 (EC Index-No.) 019-002-00-8	0,1 - 2	Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314
Butyl Glycol	(CAS No) 111-72-2 (EC-No) 203-905-0 (Index No) 603-014-00-0	1-2	Acute Tox 4 (Oral) H302 Acute Tox 4 skin H312 Acute Tox 4 inhalation H332

Specific concentration limits:		
Name	**Product identifier**	**Specific concentration limits**
Butyl Glycol	CAS No) 111-72-2 (EC-No) 203-905-0 (Index No) 603-014-00-0	Wel short term 50ppm Long term 25 ppm
sodium hydroxide; caustic soda	(CAS-No.) 1310-73-2 (EC-No.) 215-185-5 (EC Index-No.) 011-002-00-6	(0,5 =<C <2) Eye Irrit. 2, H319 (0,5 =<C <2) Skin Irrit. 2, H315 (2 =<C <5) Skin Corr. 1B, H314 (C >= 5) Skin Corr. 1A, H314
potassium hydroxide	(CAS-No.) 1310-58-3 (EC-No.) 215-181-3 (EC Index-No.) 019-002-00-8	(0,5 =<C <2) Eye Irrit. 2, H319 (0,5 =<C <2) Skin Irrit. 2, H315 (2 =<C <5) Skin Corr. 1B, H314 (C >= 5) Skin Corr. 1A, H314

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Call a physician immediately.
First-aid measures after inhalation	:	Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	:	Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.
First-aid measures after eye contact	:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	:	Rinse mouth. Do not induce vomiting. Call a physician immediately.

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

Symptoms/effects after skin contact	:	Burns.
Symptoms/effects after eye contact	:	Serious damage to eyes.
Symptoms/effects after ingestion	:	Burns.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	:	Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media	:	None.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	:	Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting	:	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures	:	Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray.

6.1.2. For emergency responders

Protective equipment	:	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	:	Take up liquid spill into absorbent material.
Other information	:	Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	:	Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.
Hygiene measures	:	Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	:	Store locked up. Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

potassium hydroxide (1310-58-3)		
United Kingdom	Local name	Potassium hydroxide
United Kingdom	WEL STEL (mg/m³)	2 mg/m³

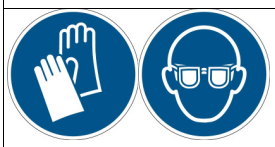
8.2. Exposure controls

Appropriate engineering controls:
Ensure good ventilation of the work station.

Hand protection:					
Protective gloves					
Type	**Material**	**Permeation**	**Thickness (mm)**	**Penetration**	**Standard**
Chemically resistant protective gloves	Nitrile rubber (NBR), Butyl rubber, Natural	3 (>60 minutes)		2 (<1.5)	EN 374

	rubber, Neoprene rubber (HNBR)				

Eye protection:			
Safety glasses			
Type	**Use**	**Characteristics**	**Standard**
Safety glasses	Droplet	clear	EN 166

Personal protective equipment symbol(s):

Environmental exposure controls:
Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	Yellow
Odour	:	Cherry
Odour threshold	:	No data available
pH	:	13
Relative evaporation rate (butylacetate=1)	:	No data available
Melting point	:	Not applicable
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	Not applicable
Vapour pressure	:	No data available
Relative vapour density at 20 °C	:	No data available
Relative density	:	No data available
Solubility	:	No data available
Log Pow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Strong oxidizing agents.

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

Acute toxicity (oral)	:	Not classified
Acute toxicity (dermal)	:	Not classified
Acute toxicity (inhalation)	:	Not classified

Skin corrosion/irritation	:	Causes severe skin burns and eye damage. pH: 13
Serious eye damage/irritation	:	Serious eye damage, category 1, implicit pH: 13
Respiratory or skin sensitisation	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified

Reproductive toxicity	:	Not classified

STOT-single exposure	:	Not classified

STOT-repeated exposure	:	Not classified

Aspiration hazard	:	Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	:	Before neutralisation, the product may represent a danger to aquatic organisms.
Acute aquatic toxicity	:	Not classified
Chronic aquatic toxicity	:	Not classified

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	:	Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

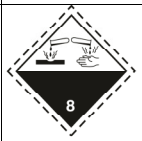
UN-No. (ADR)	:	1760
UN-No. (IMDG)	:	1760
UN-No. (IATA)	:	1760
UN-No. (ADN)	:	1760
UN-No. (RID)	:	1760

14.2. UN proper shipping name

Proper Shipping Name (ADR)	:	CORROSIVE LIQUID, N.O.S. (CONTAINS ; sodium hydroxide; caustic soda ; potassium hydroxide)
Proper Shipping Name (IMDG)	:	CORROSIVE LIQUID, N.O.S. (CONTAINS ; sodium hydroxide; caustic soda ; potassium hydroxide)
Proper Shipping Name (IATA)	:	Corrosive liquid, n.o.s. (CONTAINS ; sodium hydroxide; caustic soda ; potassium hydroxide)
Proper Shipping Name (ADN)	:	CORROSIVE LIQUID, N.O.S. (CONTAINS ; sodium hydroxide; caustic soda ; potassium hydroxide)
Proper Shipping Name (RID)	:	CORROSIVE LIQUID, N.O.S. (CONTAINS ; sodium hydroxide; caustic soda ; potassium hydroxide)
Transport document description (ADR)	:	UN 1760 CORROSIVE LIQUID, N.O.S. (CONTAINS ; sodium hydroxide; caustic soda ; potassium hydroxide), 8, II, (E)
Transport document description (IMDG)	:	UN 1760 CORROSIVE LIQUID, N.O.S. (CONTAINS ; sodium hydroxide; caustic soda ; potassium hydroxide), 8, II
Transport document description (IATA)	:	UN 1760 Corrosive liquid, n.o.s. (CONTAINS ; sodium hydroxide; caustic soda ; potassium hydroxide), 8, II
Transport document description (ADN)	:	UN 1760 CORROSIVE LIQUID, N.O.S. (CONTAINS ; sodium hydroxide; caustic soda ; potassium hydroxide), 8, II
Transport document description (RID)	:	UN 1760 CORROSIVE LIQUID, N.O.S. (CONTAINS ; sodium hydroxide; caustic soda ; potassium hydroxide), 8, II

14.3. Transport hazard class(es)

ADR		
Transport hazard class(es) (ADR)	:	8
Danger labels (ADR)	:	8
	:	
IMDG		
Transport hazard class(es) (IMDG)	:	8
Danger labels (IMDG)	:	8
	:	
IATA		
Transport hazard class(es) (IATA)	:	8
Hazard labels (IATA)	:	8
	:	

ADN		
Transport hazard class(es) (ADN)	:	8
Danger labels (ADN)	:	8
	:	
RID		
Transport hazard class(es) (RID)	:	8
Danger labels (RID)	:	8
	:	

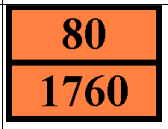
14.4. Packing group

Packing group (ADR)	:	II
Packing group (IMDG)	:	II
Packing group (IATA)	:	II
Packing group (ADN)	:	II
Packing group (RID)	:	II

14.5. Environmental hazards

Dangerous for the environment	:	No
Marine pollutant	:	No
Other information	:	No supplementary information available

14.6. Special precautions for user

Overland transport		
Classification code (ADR)	:	C9
Special provisions (ADR)	:	274
Limited quantities (ADR)	:	1l
Excepted quantities (ADR)	:	E2
Packing instructions (ADR)	:	P001, IBC02
Mixed packing provisions (ADR)	:	MP15
Portable tank and bulk container instructions (ADR)	:	T11
Portable tank and bulk container special provisions (ADR)	:	TP2, TP27
Tank code (ADR)	:	L4BN
Vehicle for tank carriage	:	AT
Transport category (ADR)	:	2
Hazard identification number (Kemler No.)	:	80
Orange plates	:	
Tunnel restriction code (ADR)	:	E
EAC code	:	2X
APP code	:	B
Transport by sea		
Special provisions (IMDG)	:	274

Packing instructions (IMDG)	:	P001
IBC packing instructions (IMDG)	:	IBC02
Tank instructions (IMDG)	:	T11
Tank special provisions (IMDG)	:	TP2, TP27
EmS-No. (Fire)	:	F-A
EmS-No. (Spillage)	:	S-B
Stowage category (IMDG)	:	B
Stowage and handling (IMDG)	:	SW2
Properties and observations (IMDG)	:	Causes burns to skin, eyes and mucous membranes.
Air transport		
PCA Excepted quantities (IATA)	:	E2
PCA Limited quantities (IATA)	:	Y840
PCA limited quantity max net quantity (IATA)	:	0.5L
PCA packing instructions (IATA)	:	851
PCA max net quantity (IATA)	:	1L
CAO packing instructions (IATA)	:	855
CAO max net quantity (IATA)	:	30L
Special provisions (IATA)	:	A3, A803
ERG code (IATA)	:	8L
Inland waterway transport		
Classification code (ADN)	:	C9
Special provisions (ADN)	:	274
Limited quantities (ADN)	:	1 L
Excepted quantities (ADN)	:	E2
Carriage permitted (ADN)	:	T
Equipment required (ADN)	:	PP, EP
Number of blue cones/lights (ADN)	:	0
Rail transport		
Classification code (RID)	:	C9
Special provisions (RID)	:	274
Limited quantities (RID)	:	1L
Excepted quantities (RID)	:	E2
Packing instructions (RID)	:	P001, IBC02
Mixed packing provisions (RID)	:	MP15
Portable tank and bulk container instructions (RID)	:	T11
Portable tank and bulk container special provisions (RID)	:	TP2, TP27
Tank codes for RID tanks (RID)	:	L4BN
Transport category (RID)	:	2
Colis express (express parcels) (RID)	:	CE6
Hazard identification number (RID)	:	80

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances
Directive 2012/18/EU (SEVESO III)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product