



PARTSWASH AL (black)

Product Code:2012

Partswash AL is a formulated, low alkalinity liquid cleaner designed for the cleaning of aluminium and alloy surfaces, steel, copper and brass. The product is inhibited to prevent any etching of the substrate, and carries no risk of causing hydrogen embrittlement of aluminium parts. Partswash AL is formulated from plant derived surfactants and sequestrants, and does not contain phosphates, phosphonates, caustic alkalis or NTA. This ensures a very safe product to use, with no environmental impact. The synergistic combination of these natural materials gives very high cleaning performance, and Partswash AL will remove a wide range of oils, greases and soils. Partswash AL is low foaming and suitable for both soak and spray applications

Typical Properties

Type	Low alkalinity, liquid cleaner formulated from naturally occurring surfactants and sequestrants which act synergistically to give very high levels of cleaning performance at low dilutions
Appearance	Clear, light brown liquid
pH	Concentrate is typically pH 8 - 9
SG	Typically 1.10 to 1.150
Freeze/Thaw stability	Stable
Volatility	As water
Solubility	100% miscible with water at all dilutions

Recommendations for Use

Dilution	Partswash AL is designed to run at concentrations of 2% to 5% v/v in town mains water. Concentrations of Partswash AL are measured by simple titration, details of which may be obtained from Parts Wash Technical Support.
Temperature	Temperatures between 35-75 degrees are recommended.
Time	Partswash AL will clean a wide range of soils, oils and greases successfully within the time range of a 1 minute to 5 minutes. In general, the higher the cleaner temperature and the greater the agitation, then the quicker the cleaning will be.
Application	Parts should be immersed in the working solutions at temperatures and for times as recommended above. If at all possible, working solutions should be adequately agitated by e.g. recirculation pump, mechanical stirring or agitation. Partswash AL is very low foaming, and so suitable for use in power spray equipment. To minimise foaming cleaner temperature should be maintained above 40C.

Health and Safety

Partswash AL is fully biodegradable and used solutions can be safely run to foul drain. However, Local Authority Guidance should be sought before disposing to drain Partswash AL that has been contaminated with oils, greases etc. as part of the cleaning process. Please consult the Parts Wash Ltd MSDS for Partswash AL for detailed safety precautions when handling and storing the product.

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SAFETY DATA SHEET

Conforms to EC Directive 91/155/EEC



1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY				
Product Name	Partswash AL (black) Neutral, non etching cleaner for aluminium, alloys, copper, brass and steel			
Company	PARTS WASH LTD STANDARD WAY INDUSTRIAL ESTATE NORTHALLERTON NORTH YORKSHIRE DL6 2XE			
Emergency	telephone: +44 (0)1609 760555 facsimile: +44 (0)1609 773211			
2. COMPOSITION/INFORMATION ON INGREDIENTS				
Declared Substances	% CAS Number Symbol R Phrases			
Plant Derived Non-ionic surfactants	<5%			
3. HAZARDS IDENTIFICATION				
Label Information	Not classified as hazardous in accordance with the Chemical (Hazards Information and Packaging for Supply) Regulations 1994 and its amendments.			
Specific Hazards	This product will cause de-fatting and some irritation to the skin and the eyes.			
4. FIRST AID MEASURES				
Eye Contact	Rinse immediately with water, seek medical advice if symptoms occur.			
Skin Contact	Rinse with water advisable after use.			
Ingestion	Rinse mouth with water, drink a copious quantity of water if a large quantity has been ingested; do not induce vomiting. Seek medical advice if symptoms occur.			
Inhalation	Seek medical advice if symptoms occur.			
5. FIRE FIGHTING MEASURES				
Fire & Explosion hazards	None.			
Extinguishing Media	Not applicable as the product is water based and non combustible.			
Unsuitable Extinguishing media	None			
Fire Fighting Equipment	Standard			
6. ACCIDENTAL RELEASE MEASURES				
Personal Precautions	Spillages may create unusually slippery surfaces.			
Environmental Precautions	Small spills may be washed to drain. Large quantities should be contained and disposed of in accordance with Local Authority Guidelines. See Section 13.			
Clean-up methods	Small spills may be washed to drain with large quantities of clean water. Large spills of concentrated product should be contained, absorbed onto dry sand or a similar material and placed in suitable containers for disposal.			
7. HANDLING AND STORAGE				
Handling	Handle in accordance with good industrial practice, wearing personal protection equipment (safety goggles and impervious gloves) are advised when working with concentrated product.			
Storage	Store upright in original container, away from thoroughfares to avoid accidental damage. Keep away from sources of heat or direct sunlight.			
Usage	Natural ventilation is required during use.			

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8.	EXPOSURE CONTROLS/PERSONAL PROTECTION		
Exposure Controls	No exposure limits have been established for this product. Avoid contact with eyes, skin or clothes.		
Respiratory Protection	No personal respiratory protection equipment normally required.		
Hand Protection	Impervious gloves recommended.		
Eye Protection	Safety goggles recommended.		
Skin Protection	Protective overalls and shoes/boots recommended.		
9.	PHYSICAL AND CHEMICAL PROPERTIES		
Appearance	Yellow to brown clear liquid	Odour/Taste	Mild, fatty
pH (concentrate)	8 - 9	Flash Point	N/A.
Melting point/melting range	<0°C	Flammability Limits	Not applicable.
Boiling point/boiling range	> 100°C.	Autoflammable	Not applicable.
Relative density	1.05 - 1.15	Solubility in water	Complete.
10.	STABILITY AND REACTIVITY		
Stability	Normally stable		
Conditions to avoid	Extremes of temperature.		
Materials to avoid	Strong oxidising agents.		
Hazardous products of decomposition	Smoke, carbon monoxide, carbon dioxide, oxides of nitrogen.		
11.	TOXICOLOGICAL INFORMATION		
Toxicity	None known		
Eye contact	Concentrated solutions will cause some irritation. No permanent damage expected if treated immediately.		
Skin contact	Prolonged contact with concentrated solutions may cause de-fatting of surface and will cause some irritation.		
Ingestion	Ingestion may cause irritation to mouth & throat.		
Respiratory system	May cause some irritation.		
12.	ECOLOGICAL INFORMATION		
Bio-degradable	Will decompose into simple non toxic salts in the environment		
Environmental effect	No environmental effect - will not bioaccumulate.		
13.	DISPOSAL CONSIDERATIONS		
Product	Dispose in accordance with Local Authority Regulations.		
Container	Made from HDPE and should be disposed of in accordance with Local Authority Regulations.		
14.	TRANSPORT INFORMATION		
General	This product is not classified as hazardous for transportation.		

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15.	REGULATORY INFORMATION
Label Classification	Not classified as hazardous for labelling purposes.
Risk Phrases	None.
Safety Phrases	None.
16.	OTHER INFORMATION
Vendor Notes	<p>The above information, including the health, safety and environmental information and recommended precautions, is considered to be accurate at the time of issue, however no warranty, guarantee or representation, whether express or implied is given in respect of its accuracy. The information may not be accurate for all individuals and/or situations and/or applications. It is the obligation and responsibility of users to evaluate this information and to use the product safely and to comply with all applicable laws and regulations.</p> <p>Customers are reminded that there may be uses or applications for the product, which have the benefit of patent registration and you are therefore recommended in your own interest to take appropriate steps to avoid the infringement of such patents. Nothing herein may be construed as an authority or encouragement to use or apply the product in contravention of such rights Parts Wash Ltd shall not be responsible for any damage, injury or loss, consequential or otherwise, resulting from the use of the product or from failure to adhere to recommendations.</p>