

## AC-46 WINDSCREEN WASHER FLUID CONCENTRATE

Effectively removes bugs, dirt and grime leaving windscreens streak free

AC-46 is high performance additive for cleaning windscreens that attacks hard to remove bugs and dirt without leaving streaks.

### PRODUCT INFORMATION

AC-46 is a concentrated glass cleaner that has been formulated for addition to vehicle windscreen cleaner reservoirs. The unique blend of surfactants will quickly and effectively remove grease, dirt and bugs from windscreens. AC-46 is also ideal as a glass cleaner when diluted with good quality or demineralised water.

AC-46 contains evaporative chemicals to enable quick drying and eliminate streaking. It is dyed brilliant blue with a high quality and fully UV / pH stable dye. It will not damage paintwork and is economical and safe to use.

### DURATION DATES

1. AC-46 can be either pre-diluted or added directly to the windscreen washer reservoir.
2. Ideal ratio - mix 1 Litre using 50mL of AC-46 and 950mL of demineralised or high quality water.
3. A more concentrated dilution can be added to a spray bottle for use as a general purpose glass cleaner.

### TYPICAL PROPERTIES

<b>Appearance:</b>	Bright Blue Liquid
<b>pH:</b>	11.0 - 12.0
<b>Specific Gravity:</b>	1.05
<b>Odour:</b>	Odourless
<b>Flammable:</b>	No
<b>Melting Point:</b>	Not applicable
<b>Boiling Point:</b>	Not applicable
<b>Solubility:</b>	Soluble
<b>DG Class:</b>	Non Dangerous Goods
<b>Hazardous:</b>	Yes

Non DG



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### PRODUCT CODES / QUANTITIES

**A/AC46/1** | 1L Plastic Bottle (Carton of 12)

**A/AC46/5** | 5L Plastic Bottle (Carton of 4)

**A/AC46/20** | 20L Plastic Drum

**A/AC46/200** | 200L Plastic Drum

**Ready to Use 5L P/AC46-5/5** | 5L Plastic (Carton of 4)

## AC-40 TRUCK WASH

**Non caustic, heavy duty truck wash Biodegradable and streak free**

AC-40 is used widely in transport, marine and industrial applications due to the many high performance characteristics of the product.

### PRODUCT USAGE INFORMATION

AC-40 truck wash is designed to meet the needs of many applications from economical to heavy duty cleaning so most application ratios are reached on a trial basis depending on the needs of the individual customer and the application.

AC-40 is economical to use and can be used across a broad range of dilution rates to maximise and control performance and overall costs.

#### General Guide

Light Cleaning (General Washing) 1:50

Medium Cleaning (Dirt and Grime) 1:25

Heavy Cleaning (Built up Dirt and stubborn road grime) 1:5

Floor Cleaner (General Washing) – 1. 50

Laundry Cleaner – (Amazing on greasy overalls) 1. 50

#### Application Guide

Spray onto surface using foaming gun, pump spray pack or dilute in a bucket. Allow time for detergent to penetrate before hosing off.

### FULL CLEANING AND DETAILING RANGE

Part Number	Description	Sizes Available
AC-32	Surface Protectant	1000L, 200L, 20L, 5L, 1L
AC-33	Silicone Tyre Shine	1000L, 200L, 20L, 5L
AC-35	Non Acid Based Wheel Cleaner	1000L, 200L, 20L, 5L, 1L
AC-40	Truck Wash	1000L, 200L, 20L, 5L, 1L
AC-46	Windscreen Washer Additive	1000L, 200L, 20L, 5L, 1L

- Austech Chemicals offers a wide selection of products designed to work together to offer a complete cleaning and detailing service.

## AC-40 TRUCK WASH

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### BIODEGRADABILITY OF AC-40 TRUCK WASH

The primary ingredient of interest in the biodegradability of many traditionally formulated surfactants is linear alkylbenzene sulphonate ('LAS'). LAS 'Primary Biodegradation' is the transformation induced by microorganisms with formation of sulphophenyl carboxylates (SPCs) as biodegradation intermediates. This biodegradation stage corresponds to the disappearance of the parent molecule and the loss of interfacial activity as well as the toxicity to aquatic organisms.

#### OECD Tests on LAS Biodegradability are as follows;

Ready Test: OECD 301 B,D,E - Result >99% primary biodegradability

Inherent Test: OECD 302 A,B - 95 - 98% Result Readily Biodegradable

Ready Biodegradability TEST (GLP protocol)	Degradation at the end of 10 days window	Degradation at the end of test
OECD 301-A "DOC Die Away test"	83%	84%
OECD 301-B "CO2 Evolution test"	75%	89%

The following are considered by the European agencies AISE and CESIO as possessing good biodegradability characteristics;

- Sulphated anionic surfactants (alkyl sulphates, alcohol ethoxysulphates) :well biodegradable
- Fatty acids and soaps : well biodegradable
- Alcohol ethoxylates : well biodegradable
- Sugar-based surfactants (alkyl polyglucosides, glucamides) : well biodegradable
- Alkyldimethyl amine oxides : well biodegradable (based on limited data).

Note: as STPP is an inorganic substance biodegradation studies are not applicable.

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### QUICK BREAK CHARACTERISTICS OF AC-40 TRUCK WASH

4. Half fill a jar with clean water and mark the top of the waterline.
5. Draw another line 1cm above the waterline mark, and fill to this line with SN300 oil.
6. Add 10mL of AC-40 Truck Wash to the jar, put on the lid and shake vigorously.

Set jar aside, and allow 10 minutes for the oily water to settle. If, after 10 minutes, the oily water emulsion has separated back into its respective lines of clear water and 'free' oil, your cleaning agent is quick-breaking. If the liquids remain emulsified and have a white, cloudy appearance then the chemical does not possess quick-break properties.

Before Addition of TW



After Emulsification



After 10 Minutes



Conclusion: Based on the above test we conclude that the AC-40 Truck Wash is a Quick Breaking Detergent.