

### KONS-TWHD KONSTRUKT TRUCK WASH HEAVY DUTY

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

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

#### PRODUCT INFORMATION

KONS-TWHD truck wash is a concentrated water based high performance and non-caustic truck wash. This product effectively removes road grime and dirt from all surfaces including plastic, rubber, chrome, aluminum and paintwork.

KONS-TWHD truck wash is bio-degradable and free rinsing. It is suitable for gurneys and automated washing systems.

This product was specifically developed not to streak and is suitable for use on side curtains of trailers and all fabrics found in the transport and marine environments.

KONS-TWHD is primarily used to wash trucks, trailers, cars, boats, coaches and mining equipment. It has also proven to be very effective as a floor cleaner and laundry cleaner (especially on greasy clothing).

This product contains corrosion inhibitors to protect surface from rusting and does not contain caustic chemicals. It leaves paintwork shiny and streak free when used as directed.

This product is economical to use and can be used across a broad range of dilution to control performance and cost.

#### TYPICAL PROPERTIES

<b>Appearance:</b>	Light Blue Liquid
<b>pH: (Concentrate)</b>	7.3—7.7
<b>Specific Gravity:</b>	1.075
<b>Odour:</b>	Very Slight Odour
<b>Flammable:</b>	No
<b>DG Class:</b>	Non-Dangerous Goods
<b>Hazardous:</b>	Yes
<b>Melting Point:</b>	-4°C
<b>Boiling Point:</b>	121°C
<b>Solubility:</b>	Soluble

**Non DG**



#### PRODUCT CODES / QUANTITIES

<b>KONS-TWHD05LT</b>	5L Plastic Bottle (Carton of 4 units)
<b>KONS-TWHD20LT</b>	20L Plastic Cube

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### PRODUCT USAGE INFORMATION

KONS-TWHD 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.

KONS-TWHD 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
KONS-TWHD	Truck Wash	20L, 5L

#### BIODEGRADABILITY OF KONS-TWHD 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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### FULL CLEANING AND DETAILING RANGE (CONTINUED)

#### QUICK BREAK CHARACTERISTICS OF KONS-TWHD TRUCK WASH

1. Half fill a jar with clean water and mark the top of the waterline.
2. Draw another line 1cm above the waterline mark and fill to this line with SN300 oil.
3. Add 10mL of KONS-TWHD 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 KONS-TWHD Truck Wash is a Quick Breaking Detergent.