



Published on: 01/12/2010
 Reviewed on: 30/10/2024

HS Conc PLUS

TECHNICAL DATA SHEET

DESCRIPTION / USES

HS Conc PLUS is a **Hard Surface Cleaning liquid - Concentrate**. Contains BIOSOLVE – for more effective hydrocarbon cutting and rinsing.

This Low-viscosity liquid concentrate consists of a combination of Amphoteric & Non-ionic Surfactants, Builders, Water Conditioners, Rust Removers and Inhibitors. It dissolves immediately in cold water with mild agitation. The end product is an immensely versatile and powerful **All-Purpose Cleaner and Degreaser** which meets international environmental requirements.

This extremely useful, general-purpose product can be used to clean all HARD surfaces: Floors, walls, paving, work surfaces, all kitchen surfaces, baths & tiles, machinery, etc.

Because of its high pH it is a powerful degreaser and can be used on: White or colourfast fabrics – to remove grease marks As an Engine Cleaner – for motor cars & trucks

Its industrial applications include: the washing of very greasy cooking utensils; metal cleaning; commercial laundering; degreasing of floors, machinery & equipment; etc.

NB: Due to high pH, this product is harsh on Hands & Skin. Handle with Care!

FORMULATION/COMPOSITION

HS Conc PLUS recommended Dilutions:

1:19 (5%) – Standard (1.9% Active)

1:9 (10%) – Industrial (3.8% Active)

PHYSICAL & CHEMICAL PROPERTIES

Colour	Amber, transparent
Odour	Unique
pH (as manufactured)	11.0 - 12.0
Active Content	Active 38%
Viscosity	Low
Precautions	Highly Irritant - due to high pH.

MANUFACTURER/SUPPLIER

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SAFETY & HANDLING

Always consult the Material Safety Data Sheet before Use



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PHYSICAL & CHEMICAL PROPERTIES

Handling
Packing

Non-Flammable. Keep containers closed to prevent ingress of water. Due to the highly concentrated nature of the product it is recommended that processing staff wear gloves, eye protection & respiration apparatus when handling the raw concentrate.

25 Kg Drum - Polypropylene
200 Kg Bung drum – High Density Polyethylene

Dilution Chart: HS Conc PLUS (Hard Surface Cleaning Liquid)

Batch Size (in Litres)	Standard		Industrial	
% USE	5%		10%	
RATIO	1:19		1:9	
Batch Size that you wish to make (in Litres)	Conc	Water	Conc	Water
2	0.1	1.9	0.2	1.8
5	0.25	4.75	0.5	4.5
10	0.5	9.5	1	9
20	1	19	2	18
50	2.5	47.5	5	45
100	5	95	10	90
200	10	190	20	180
250	12.5	237.5	25	225
300	15	285	30	270
500	25	475	50	450

DISCLAIMER / NON-WARRANTY

This product has been subjected to limited tests and has been shown to perform well. The information contained herein is to our best knowledge true and accurate, but since the conditions of use are beyond our control, Ecwamix Chemical Systems cc. disclaims any liability in connection with the use of this product and/or information. Warranty extends only as far as to the replacement of material shipped if not compliant with the specification as set out in the attached "Certificate of Analysis" and within the expiry period of the said product. All recommendations or suggestions are made without guarantee. It is good practice to conduct one's own application tests on a small area prior to using the product.



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Batch Size (in Litres)	Standard		Industrial	
% USE	5%		10%	
RATIO	1:19		1:9	
Batch Size that you wish to make (in Litres)	Conc	Water	Conc	Water
1000	50	950	100	900
2000	100	1900	200	1800
3000	150	2850	300	2700

PROPERTIES/APPLICATIONS/USE

Using the chart above, first decide on the size of the batch that you wish to make (Batch Size column).

Now decide on the dilution (strength) of your finished product (% Use rows across the top).

Let's assume you decide to make 200 Litres of **Standard Hard Surface Cleaner** at a strength of 1:9 (5%). If you look across from the number **200**, in the Batch Size block, to the Conc column under **1:19** you will see that you need **10Kg** of **HS Conc PLUS**. The Water column to its right tells you that you need **190 Litres of water**.

1. Fill the tank with the Required amount of **Water** (190Kg/Lt).
2. Using your scale, weigh 20Kg of **HS Conc PLUS** into a bucket/s.
3. Place your mixer in the mixing tank and start it running at a Moderate speed.
4. Now steadily pour in the **HS Conc PLUS**. Leave the mixer running for at least 15 minutes, the mixture will look cloudy – but this is just because of air bubbles!
5. **OPTIONAL:** A High pH – Resistant Dye can be added to the final solution.
6. Switch off the mixer after 15 minutes and allow the mixture to stand for about half an hour, the bubbles will come to the top!

Congratulations, you have just manufactured your first batch of Hard Surface Cleaner!

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RECOMMENDED DILUTIONS

Please advise your customers to use the following dilutions of this Product:

A. STANDARD-Activity Dilution (1:19) of HS Conc PLUS

Example: 1:19 (5%) means 1-part HS Conc PLUS. to 19 parts Water = 20 Parts

- or 1 Litre HS Cleaner to 4 Litres Water = 5 Litres
- or 2 Litre HS Cleaner to 8 Litres Water = 10 Litres
- or 100 ml HS Cleaner to 400 ml Water = 500 ml, etc.

Or use 20% of however much you wish to make; the remainder is water.

Example: If you wish to make a 10 Lt Bucket at 1:4 (20%) then 20% of 10 Lt = 2 Litres
Put 2 Litres of HS Cleaner in the 10 Litre bucket and then fill it up with Water.

- Use: As is (undiluted)** – for Engine Cleaning and heavy degreasing
1:2 (33%) – for metal cleaning before painting, apply to greasy marks on laundry before washing.
1:4 (20%) – for heavily soiled floors and Commercial Kitchen cleaning
1:9 (10%) – for cleaning Bathrooms, Domestic Kitchens and lightly soiled floors

B. INDUSTRIAL-Activity Dilution of HS Conc PLUS

Example: 1:4 (20%) means 1 part HS Cleaner to 4 parts Water = 5 parts

- or 1 Litre HS Cleaner to 4 Litres Water = 5 Litres
- or 2 Litre HS Cleaner to 8 Litres Water = 10 Litres
- or 100 ml HS Cleaner to 400 ml Water = 500 ml etc.

Or use 20% of however much you wish to make; the remainder is water.

Example: If you wish to make a 10 Lt Bucket at 1:4 (20%) then 20% of 10 Lt = 2 Litres
Put 2 Litres of HS Cleaner in the 10 Litre bucket and then fill it up with Water.

- Use: As is (undiluted)** – for heavy degreasing of Engines, Machinery & metals
1:3 (25%) – for heavily greased floors & work surfaces
1:5 (16.7%) – for cold soak cleaning of ferrous metals & heavily soiled Commercial Kitchens.
1:9 (10%) – for hot soak cleaning of ferrous metals & Workshop/factory floors
1:19 (5%) – for General Purpose cleaning of Kitchens and Toilets, etc.

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