

IMPASOL[®] HCA-C

Water-dilutable degreasing and rust removal fluid for industry and engineering

"SPECIALLY FOR SURFACE PREPARATION BEFORE FURTHER APPLICATION"

**DEGREASES AND AT THE SAME TIME PASSIVATES CORRODED SURFACES
CHEMICALLY STOPS CORROSION AND PROTECTS BEFORE CORROSION**

SIGNIFICANTLY PROLONGS THE LIFE OF COLORS

TREATS FRESHLY GALVANIZED SURFACES FOR IMMEDIATE, PRIMER-FREE PAINT APPLICATION

REMOVES POLLUTION, OILS AND LUBRICANTS

REPLACES PETROLS, ACETONS AND THINNERS

ECONOMIC - ACCORDING TO THE DEGREE OF POLLUTION, IT CAN BE DILUTED WITH WATER

ABSOLUTELY SAFE, NON-FLAMMABLE AND VERY EASY BIO DEGRADABLE

IMPASOL[®] HCA-C is specifically developed as an **ABSOLUTELY SAFE DEGREASER**, the safest of the **IMPASOL[®]** range. It replaces dangerous, irritating, corrosive, harmful to the environment, toxic and carcinogenic thinners and degreasers.

Removes and degreases mineral, vegetable and animal lubricants and oils, preservative oils and waxes and impurities before further surface treatment.

IMPASOL[®] HCA-C solves toxicological and environmental problems. Replacement for degreasers such as petrol, acetone, alcohol (isopropyl alcohol), thinners and corrosive water-soluble detergents. By using it, you will avoid toxic, dangerous and flammable products.

IMPASOL[®] HCA-C is a residue-free degreaser with a high degreasing force of **KB INDEX 110**, with optimal evaporation (10-15 min.) and a significant improvement in adhesion to the surface, a unique surface tension.

IMPASOL[®] HCA-C IS VERY GOOD BIODEGRADABLE. Significantly improves the safety and working conditions and protects the environment.

BENEFITS

- + Does not contain VOC and TOC**
- + NON-FLAMMABLE**
- + Ideal evaporation rate**
- + Anticorrosive - PASSIVE**
- + Compatible with most plastics and elastomers**
- + DEGREASES AND AT THE SAME TIME TREATS THE SURFACE (PASSIVATES RUST)**
- + Removal force**
- + Unique surface tension**
- + Non-residual degreaser**
- + No aggressive odor**

IMPASOL® HCA-C HAS NO CLP SYMBOL !!!



Combustibility. IMPASOL® HCA-C has a flash point in a closed container of 63 ° C according to ISO 2719. Therefore, it is ideal where there is a risk of ignition at high temperatures and where a fire would cause enormous damage.

Odor. IMPASOL® HCA-C is without aggressive odorless and has a slight citrus scent. It has no pungent and irritating odor like chlorinated solvents. IMPASOL® HCA-C significantly improves ergonomic conditions in confined and unventilated spaces.

Evaporation rate. IMPASOL® HCA-C has an evaporation rate practically identical to the evaporation rate of xylene. At room temperature, less evaporation and loss due to evaporation is minimal.

Rozpouštěcí síla. S KB indexem 110 IMPASOL® HCA-C znamená rozpouští většinu olejů a maziv.

Thinner	Evaporation rate	Dissolving force	VOC / TOC content	Odor	Point of ignition
IMPASOL® HCA-C	10-15 min	+++	0	Citrus scent	63°C
Technical petrol	7 min	+++	0,93	Extra high	- 11°C
Acetone	50 sec	+++	0,99	Extra high	- 18°C
MEK	1 min 20	++	0,997	Extra high	-9°C
Toulene	4 min	+++	0,913	Extra high	4°C
Xylene	10 min	++	0,905	High	24°C
Perchlorethylene	8-10 min	+++	0,999	High	Without

Compatibility. IMPASOL® HCA-C has a low surface tension (less than 27 dynes / cm). It has extremely good surface wettability. This feature plus high degreasing ability makes this product very economical.

DEGREASING. IMPASOL® HCA-C is a solvent for pure or emulsion oils, whether mineral or synthetic, which are used for lubrication or treatment of metals. It is ideal for removing lubricants and greases. IMPASOL® HCA-C quickly removes oil or wax protection products used for temporary protection.

It is especially suitable for surfaces prepared for varnishing or painting.

CLEANING. **IMPASOL® HCA-C** replaces hazardous acetones and gasolines in many cleaning applications. Thanks to its strength, it is excellent for removing "water rust", oxidized coatings.

IMPASOL® HCA-C is used to clean all surfaces from organic or inorganic contaminants before assembly, storage, painting or chemical or electrochemical surface treatment.

IMPASOL® HCA-C is a liquid containing organic components to bind rust, by stopping corrosion and at the same time degreasing and forming a protective **PRIMER** coating. Freshly galvanized surfaces treated with **IMPASOL® HCA-C** can be painted without the use of an additional primer.

The protective coating strongly strengthens the defenses of other metals (iron, cast iron) against subsequent corrosion at the same time as subsequent surface treatments or coatings.

IMPASOL® HCA-C can be used for both indoor and outdoor purposes.

We distinguish three ways of applying **IMPASOL® HCA-C** according to the type of use:

- **Phosphate degreasing applications for non-corroded surfaces.**

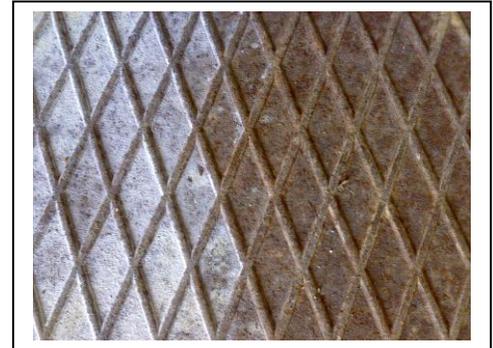
- + Application by painting
- + Application by low pressure spraying

- **Application on freshly galvanized surfaces**

- + Application by painting
- + Application by low pressure spraying

- **Degreasing application on corroded surfaces**

- + Application by painting
- + Application by low pressure spraying
- + Application by immersion



IMPASOL® HCA-C is very effective in:

● **ENGINEERING**

- Degreasing and cleaning of surfaces before further surface treatment (painting, varnishing, enamelling, plastic coating, etc.)

● **SURFACE PREPARATION BEFORE PAINTING AND SUBSEQUENT SURFACE TREATMENT**

- It guarantees residue-free surface cleaning before further processing
- Significantly increases surface adhesion
- It can be used for the preparation of metal, plastic and elastomer surfaces
- Ideal for removing organic and inorganic traces before further processing
- It does not contain any stabilizer and does not cause oxidation of the surface

Surface degreasing application with phosphatizing effect for non-corroded surfaces.

DEGREASING APPLICATIONS BY PAINTING:

Use the product undiluted or in a maximum ratio of 1: 1 to 2 with warm water, depending on the nature of the contamination. It can be applied either by painting with a brush or a roller and wiped off loose dirt with a cloth. In case of huge pollution, repeat the procedure. Allow to dry well after application.

LOW PRESSURE SPRAY DEGREASING APPLICATIONS:

Use the product undiluted or in a maximum ratio of 1: 1 to 3 with warm water and pour into the sprayer. Apply evenly to the entire soiled surface until the surface is degreased. Wipe off loose dirt with a cloth. Allow to dry well.

APPLICATION BY PAINTING ON FRESH GALVANIZED SURFACES:

Use the product in concentrated form or diluted 1: 1 - 3 with warm water. It can be applied either by painting with a brush or roller. If you need to degrease the surface as well, you must use a sufficient amount of product and wipe off the loose dirt with a cloth. In case of huge pollution, repeat the procedure. Allow to dry well after application. After drying, a matt surface is created on the glossy surfaces of the galvanized layer.

LOW PRESSURE SPRAYING APPLICATION ON FRESH GALVANIZED SURFACES:

The surface should already be degreased! Pour the concentrated or diluted product 1: 1-3 with warm water into the sprayer and apply evenly over the entire surface. In this application, the product acts only as PRIMER. Allow to dry well. After drying, a matt surface will form on the glossy surfaces of the galvanized layer, if a coating is formed, it must be removed !!!

APPLICATION BY PAINTING ON CORRODED SURFACES:

Clean the corroded surface with brush wire from loose rust. If the surface is greasy, wash it with **HCA-C** product undiluted or diluted 1: 1-3 with warm water and wipe off the released grease with a cloth. Then apply with a brush or roller **HCA-C** diluted 1: 2-5 with warm water according to the degree of corrosion. A white film must form on corroded surfaces after drying. Otherwise, increase the concentration. Allow to dry well after application. **The white film must be removed before the next surface application!**

LOW PRESSURE SPRAYING APPLICATION FOR CORROSIVED SURFACES:

The surface must be cleaned of free rust and degreased (by the **HCA-C** product undiluted or diluted 1: 1-3 with warm water and wipe off the released grease). **HCA-C** is diluted 1: 2-5 with warm water according to the degree of corrosion. Pour into the sprayer and apply evenly to the entire surface. A white film must form on corroded surfaces after drying. Otherwise, increase the concentration. Allow to dry well. White film does not form on non-corroded surfaces. **The white film must be removed before the next surface application!**

APPLICATION BY IMMERSION

With this application, you can achieve degreasing and passivation in one operation. Immerse the corroded parts in a solution of **HCA-C** product diluted 1: 3 with water and leave to act for about 15-25 minutes. By using warm water approx. 70 ° C, you will significantly increase the degreasing and PASSIVING effect of the product. After drying, a white film must form on the corroded surfaces. Otherwise, increase the concentration of **HCA-C** until the desired effect is achieved. Allow to dry well after application. White film does not form on non-corroded surfaces. **The white film must be removed before the next surface application!**

Yield of **IMPASOL® **HCA-C** product from 1L:**

Concentrate	1 : 1	1:3	1:5	Low pressure spraying 1: 3
15 m²	30 m²	60 m²	90–120 m²	80 m²

The information provided is for information only and may vary from case to case. It depends on the surface fragmentation and the amount of spray for spray application.

Individual parts can be cleaned by hand, with a cloth, dipping, but also by rinsing and washing the systems. **IMPASOL® HCA-C** is applied with a cloth, brush, dipping, rinsing, in a tank, by spraying, immersion, with mixing. The time (s) of cleaning the surfaces depends on the nature of the coating to be removed and its thickness.

The formed white film must be removed before the next application on the surface!

The use of **IMPASOL® HCA-C** does not require any subsequent investment in an expensive washing line, safety measures, special storage of flammables and caustics, etc ..

CHARACTERISTICS	NORM	VALUE	UNIT
Color	Interne CQ 016	Transparent	
Water dilutability		YES	
KB index, solvent ability	ASTM D 1133	110	[rating]
VOC content		0	kg/kg
TOC content		0	kg/kg
Density at 25 ° C	EN ISO 12 185	952	kg/m ³
Flash point in closed container	ISO 2719	63	°C
Burning point		More than 83	°C
Freezing point	ASTM D 97	-20	°C
Surface tension at 20 ° C	ISO 6295	27	Dynes/cm
Viscosity at 25 ° C	ASTM D 445	0,916	mm ² /s
Evaporation rate	NF T 30 301	10-15	minutes

PACKAGING : 20, 200 and 1000 liters

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