

# IMPASOL<sup>®</sup> HCA-C

**DEGREASING, CUTTING AND PASSIVATING FLUID  
REPLACES GASOLINES, ACETONES AND THINNERS  
DEGREASES AND PASSIVATES CORRODED SURFACES  
CHEMICALLY STOPS CORROSION AND PROTECTS AGAINST CORROSION  
SIGNIFICANTLY EXTENDS PAINT LIFE  
TREATS FRESHLY GALVANIZED SURFACES FOR IMMEDIATE PAINT  
APPLICATION WITHOUT PRIMER  
REMOVES DIRT, OIL AND GREASE  
SPECIALLY FOR SURFACE PREPARATION BEFORE FURTHER APPLICATION  
ABSOLUTELY SAFE, NON-FLAMMABLE**

**IMPASOL<sup>®</sup> HCA-C** is specifically developed by IMPASOL technology as an **ABSOLUTELY SAFE REMOVER**. It replaces dangerous, **FLAMMABLE**, irritating, toxic and carcinogenic thinners and degreasers. Replaces degreasers such as technical gasoline, alcohol (isopropyl alcohol), acetone, thinners and corrosive water-based detergents. Degreases surfaces contaminated with mineral, vegetable and animal lubricants, oils, some preservative oils, waxes. Removes other difficult to remove contaminants before further surface treatment and final cleaning.

**IMPASOL<sup>®</sup> HCA-C** solves working, toxicological and environmental problems. Its use avoids toxic, hazardous and flammable diluents.

**IMPASOL<sup>®</sup> HCA-C** is a residue-free degreaser with high degreasing power, optimal evaporation (10-15 min.) and a significant improvement in surface adhesion. It is characterized by a unique surface tension.

**IMPASOL<sup>®</sup> HCA-C** IS A VERY WELL BIODEGRADABLE PRODUCT.

**NO FIRE**

**Ideal evaporation rate**

**No aggressive odor**

**Compatible with most plastics and elastomers**

**No toxic, carcinogenic or toxic substances**

**Extreme stripping power**

**Unique surface tension**

**Residue-free degreaser**

**Anti-corrosive – passivating**

**IMPASOL<sup>®</sup> HCA-C HAS NO CLP SYMBOL!!!**

**It does not endanger health by inhaling dangerous substances, it does not irritate the skin. It does not endanger nature and ensures an absolutely safe working environment.**



**Solvent force:** With a KB index of 110, it dissolves most oils and lubricants.

**Flammability:** has a flash point in a closed container of 63°C according to ISO 2719. It is ideal where there is a risk of ignition at high temperatures and where a fire would cause enormous damage.

**Odour:** It has no aggressive odour and has a slight citrus smell. It has no pungent or irritating odour like chlorinated solvents. IMPASOL® HCA-C significantly improves ergonomic conditions in confined and unventilated spaces.

**Evaporation rate:** the evaporation rate is virtually identical to that of xylene. It evaporates less at room temperature and the evaporation loss is minimal.

SOLVENT	Evaporation rate	Dissolving power	Odour	Flash point	Harmfulness
IMPASOL® HCA-C	10-15 min	+++	Citrus	63°C	NO
Technical petrol	7 min	+++	Extra high	- 11°C	H225, H304, H315, H336, H361, H411 karcinogenní
Aceton	50 sec	+++	Extra high	- 18°C	H 225, 319, 336, EUH 066
MEK, BUTANON	1 min 20	++	Extra high	-9°C	H 225, 319, 336, EUH 066
Toluen	4 min	+++	Extra high	4°C	H 225, 304, 315, 336, 361d, 373 karcinogenní
Xylen	10 min	++	High	24°C	H 226, 312, 315, 332,
Perchlorethylen	8-10 min	+++	High	NO	Karcinogenní H 351, 411 toxický

**Compatibility:** It has low surface tension (less than 27 dyne/cm). It has extremely good surface wettability. This property, together with its high degreasing ability, makes this product very good economical.

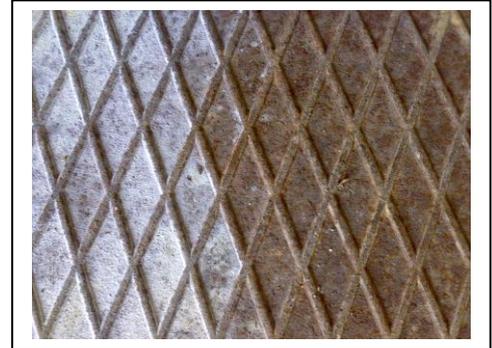
**Degreasing:** it is an excellent solvent for pure or emulsion oils, either mineral or synthetic, used for lubrication or metal finishing. It is ideal for the removal of lubricants and greases. It quickly removes oil or wax protective products used for temporary protection. It is particularly suitable for surfaces ready for painting or staining.

**Cleaning:** Replaces hazardous acetones and gasolines in many cleaning applications. Its strength makes it excellent for removing water rust and oxide coatings. It is used to clean all surfaces of organic or inorganic contaminants prior to assembly, storage, chemical or electrochemical surface treatment, bonding or painting.

**IMPASOL® HCA-C** is a liquid containing organic ingredients to bind rust by stopping corrosion while degreasing and forming a protective PRIMER coating. Freshly galvanized surfaces treated with this product can be painted without the use of additional primer. The protective coating strongly strengthens the defenses of other metals /iron, cast iron/ against subsequent corrosion. Can be used for indoor and outdoor applications.

### Application by type of use:

- Degreasing application with phosphate effect for non-corroded surfaces.
  - + Application by painting
  - + Application by low-pressure spraying
- Application on freshly galvanized surfaces
  - + Spray application
  - + Low pressure spray application
- Degreasing application on corroded surfaces
  - + Spray application
  - + Low pressure spray application
  - + Application by immersion



### Application of IMPASOL® HCA-C: ENGINEERING

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

### PREPARATION OF SURFACES BEFORE PAINTING AND SUBSEQUENT SURFACE TREATMENT

Can be used for the preparation of surfaces made of metals, plastics and elastomers

Ideal for removing organic and inorganic traces before further processing

Ensures residue-free surface cleaning before further processing

Significantly increases surface adhesion

### Degreasing application with surface phosphating effect for non-corroded surfaces.

#### DEGREASING APPLICATION BY PAINTING:

Use the product undiluted. Apply either by brush or roller, wiping off loose dirt afterwards. Then reapply the product and allow to dry well.

#### DEGREASING APPLICATION BY LOW PRESSURE SPRAYING:

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

**APPLICATION BY SPRAYING ON FRESHLY GALVANIZED SURFACES:** Use the product in concentrated form or diluted 1:1 with warm water. Application can be either by brush or roller application. If you need to degrease the surface at the same time, use a sufficient amount of the product and wipe off the loose dirt with a cloth. Then reapply the product and allow to dry well. After drying, a matt finish will develop on the shiny surfaces of the galvanised layer.

**APPLICATION BY LOW PRESSURE SPRAYING ON FRESHLY GALVANIZED SURFACES:** **The surface should already be degreased!** Pour the concentrated or diluted product 1:1 with warm water into a sprayer and apply evenly over the entire surface. In this application, the product only acts as a PRIMER. Allow to dry well. After drying, a matt finish will form on the shiny surfaces of the galvanized coating. If a coating forms, it must be removed!!!

**APPLICATION BY PAINTING ON CORRODED SURFACES:** Clean the corroded surface of loose rust with a wire brush. If the surface is greasy, wash it thoroughly with HCA-C, undiluted or diluted 1:1 with warm water and wipe off the loose grease. Then reapply HCA-C, diluted 1:1 with warm water, with a brush or roller according to the degree of corrosion. Allow to dry well after application. A white film must form on corroded surfaces after drying. Otherwise, increase the concentration. The white film must be removed before further surface application!

## LOW PRESSURE SPRAY APPLICATION ON CORRODED SURFACES:

The surface must be cleaned of loose rust and degreased with HCA-C, undiluted or diluted 1:1 with warm water. Pour HCA-C diluted 1:1 with warm water (depending on the degree of corrosion) into a sprayer and apply evenly over the entire surface. Allow to dry well. A white film must form on corroded surfaces after drying. (A white film will not form on non-corroded surfaces). Otherwise, increase the concentration. The white film must be removed before further surface application!

## APPLICATION BY IMMERSION:

This application achieves both degreasing and passivation in one operation. Immerse the corroded parts in a solution of HCA-C diluted 1:1 with water and leave for approximately 15-25 minutes. Using warm water at approx. 70°C will significantly increase the degreasing and passivating effect of the product. Allow to dry well after application. After drying, a white film must form on corroded surfaces. (A white film will not form on non-corroded surfaces). Otherwise, increase the concentration. The white film must be removed before further surface application!

Consumption and dilution depends on the surface roughness and spray quantity for spray applications.

**IMPASOL® HCA-C** is applied by microfibre, brush, dipping, rinsing, in tank, spray (spraying), dipping (and with agitation). Surface cleaning time depends on the nature of the deposit to be removed and its thickness.

The use of **IMPASOL® HCA-C** does not require any subsequent investment in expensive washing lines, safety measures, special storage of flammable and corrosive substances, etc.

CHARACTERISTIC	NORM	VALUE	UNIT
Colour	Interne CQ 016	Transparent	
Water dilution		ANO	
KB index, solvent capability	ASTM D 1133	<b>110</b>	[bonitace]
Density at 25°C	EN ISO 12 185	<b>952</b>	<b>kg/m<sup>3</sup></b>
Flash point in closed cup	ISO 2719	<b>63</b>	°C
Flash point		<b>More as 83</b>	°C
Freezing point	ASTM D 97	<b>-20</b>	°C
Surface tension at 20°C	ISO 6295	<b>27</b>	<b>Dynes/cm</b>
Viscosity at 25°C	ASTM D 445	<b>0,916</b>	<b>mm<sup>2</sup>/s</b>
Evaporation rate	NF T 30 301	<b>10-15</b>	<b>minut</b>

**PACKAGING:** 5, 20, 200 and 1000 litres

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