

# IMPASOL<sup>®</sup> HCA

**STRONG LIQUID „SPECIALLY FOR SURFACE PREPARATION BEFORE ANOTHER APPLICATION“**

**ECONOMIC – ACCORDING TO THE PHASE OF POLLUTION IS POSSIBLE DILUTE WITH WATER  
IT REMOVES POLLUTION, PAINTS, OILS, LUBRICANTS, RESINES AND ADHESIVES“**

*Fast degreasing and removing water-dilutable liquid for industry and engineering*

**IMPASOL<sup>®</sup> HCA** is specifically developed as **SAFETY DEGREASER**, the safest of a series **IMPASOL<sup>®</sup>**. It replaces hazardous, irritant, toxic and carcinogenic diluents and degreasers. It removes and degreases mineral, vegetable and animal lubricants, oils, preservative oils and waxes, adhesives, inks, paints, putties and difficult to remove dirt before the next surface treatment.

**IMPASOL<sup>®</sup> HCA** solves toxicological and environmental problems. Replacement for degreasers like is trichlor, perchlor, aceton, alcohol (isopropyl alcohol), benzines and diluents. Its use avoids poisoning, hazardous and flammable diluents. We guarantee, that it does not contain methylenchloride, perchlorethylene, trichlorethylene, HCFC 141.

**IMPASOL<sup>®</sup> HCA** is non-residue degreaser with high degreasing power, with optimum evaporation (10-15min.) and significant improvement adhesion to the surface, unique surface tension.

**IMPASOL<sup>®</sup> HCA** ITS VERY WELL BIODEGRADABLE. Significantly improves security and working conditions and protects the environment.

## BENEFITS

- ✚ **NON-FLAMMABLE**
- ✚ **Ideal evaporation rate**
- ✚ **Anticorrosive**
- ✚ **Compatible with most plastics and elastomers**
- ✚ **Guaranteed without poisonous, carcinogenic and toxic substances**
- ✚ **Extreme removal power**
- ✚ **Unique surface tension**
- ✚ **Non-residue degreaser**
- ✚ **Without aggressive odor**

**IMPASOL<sup>®</sup> HCA HAS NOT ANY CLP SYMBOL !!!**



**Combustibility.** IMPASOL® HCA HAS NOT flash-point in closed container according to ISO 2719. Therefore, it is ideal there, where there is a risk of ignition at high temperatures, and where the fire would cause tremendous damage.

**Odor.** IMPASOL® HCA is without aggressive odor, it has mild citrus odor. It has not any acrid and irritant odor like chlorinated solvents. IMPASOL® HCA significantly improves ergonomic conditions in the cramped and unventilated spaces.

**Evaporation rate.** IMPASOL® HCA has the rate of evaporation practically identical like is rate of evaporation of xylene. At room temperature it evaporates less and the loss due to evaporation is minimal. IMPASOL® HCA is isotropic and its evaporation rate is stable.

**Dissolution power.** With KB index 125 IMPASOL® HCA excellent dissolves most oils and lubricants.

Thinner	Evaporation rate	Dissolution power	Volume VOC/TOC	Odor	Flash-point
IMPASOL® HCA	10-15 min	++++	0	Citrus odor	HAS NOT
Technical petrol	7 min	+++	0,85	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
Xylenee	10 min	++	0,905	High	24°C
Perchlorethylene	8-10 min	+++	0,999	High	Without
Trichlorethylene	4 min	+++	0,97	High	Without

**Compatibility.** IMPASOL® HCA has low surface tension (less than 27 dyn/cm). It has an extremely good surface wettability. This property plus high degreasing ability makes this product very economically usable.

**DEGREASING.** IMPASOL® HCA is an excellent solvent for pure or emulsion oils, whether mineral or synthetic, which are used to lubricate or modify metals. It is ideal for removing greases and fats. It removes residues of adhesives from the tapes. It removes some incompletely dried colors. IMPASOL® HCA extremely quickly eliminates oil or wax protection products used for temporary protection.

It is particularly suitable for surfaces prepared for painting or dyeing.

**CLEANING.** IMPASOL® HCA replaces dangerous acetones and benzines in many cleaning applications. Thanks its power is excellent for dilution, removal and cleaning printing liquid colors for screen printing.

IMPASOL® HCA is used to clean all surfaces from organic or inorganic contaminations before construction, storage, before chemical or electrochemical surface treatment, before gluing or coloring, before chemical or electrochemical surface treatment.

**IMPASOL® HCA** is very effective in:

● **ENGINEERING**

- Degreasing and cleaning surfaces before next surface treatment ( dyeing, lacquering, enameling, plastic coating, etc. )
- Excellent solvents for oils, lubricants (even ANTISEIZ and silicones), preservatives oils and waxes

● **PLASTICS INDUSTRY**

- non-residue cleaning and degreasing forms from preservatives oils and waxes
- removing imprinting colors

● **PREPARATION SURFACES BEFORE DYEING, GLUING AND BEFORE APPLICATION LUBRICANTS**

- Guarantees non-residue surface cleaning before next treatment
- Significantly improves surface adhesion
- For the preparation of surfaces from metals, plastics, composites and elastomers
- Ideal to remove organic and inorganic prints before the next treatment
- Does not contain any stabilizer and does not cause surface oxidation

**IMPASOL® HCA** is used clean, cold. **IMPASOL® HCA** is applied with cloth, brush and spraying. Surface cleaning time depends on the nature of the deposit, which needs to be removed and on its thickness.

Using **IMPASOL® HCA** does not require any subsequent investment into a costly washing line, security measures, special storage of flammable and corrosives, etc ..

**METHOD OF USE**

☞ Cloth                      ☞ Tampon                      ☞ Brush                      ☞ Low-pressure spraying

CHARACTERISTICS	NORM	VALUE	UNIT
Look	Visually	Liquid	
Color	Interne CQ 016	Transparent	
Test - Copper plate corrosion 100 h in 40°C	ASTM D 130	1a	Record
Physical state	Vizuálně	Liquid	
Water dilutability		YES	
Index KB, the ability of the solvent	ASTM D 1133	125	[bonitace]
Volume VOC		0	kg/kg
Volume TOC		0	kg/kg
Density at 25°C	EN ISO 12 185	952	kg/m <sup>3</sup>
Flash point in closed container	ISO 2719	HAS NOT	°C
Boiling point		More than 100	°C
Freezing point	ASTM D 97	-25	°C
The residue after evaporation	ASTM D 1209	0	%
Surface tension at 20°C	ISO 6295	27	Dynes/cm
Viscosity at 25°C	ASTM D 445	0,916	mm <sup>2</sup> /s
Evaporation rate	NF T 30 301	10-15	minutes

**PACKAGING :** 200 a 1000 liters

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