

# IMPASOL® 6

**POWERFUL RESIDUE-FREE, NON-FLAMMABLE DEGREASER**

**Removes dirt, paint, oil, grease, silicones and waxes**

**Replaces hazardous fragrances, toluene, thinners and gasoline**

**Ideal for ultrasonic cleaning up to 40°C**

**Slow evaporation rate**

**Suitable for deposited dirt on large areas**

**Anti-corrosive**

**IMPASOL® 6** is a special mixture completely different from conventional hydrocarbons. It degreases most oils, greases, petrolatum, waxes, resins and tars and removes carbonized substances. It does not contain aromatic benzenes and is not irritating to the skin, eyes or respiratory system.

**IMPASOL® 6** is an absolutely clean degreaser without a strong smell. Applicable in all sectors of the mechanical, electrical, packaging, agricultural and textile industries, on all types of metals, plastics, rubbers and elastomers. Its formulation is intended for degreasing machines and machine complexes in industry where flammable substances cannot be used.

**IMPASOL® 6** is used in many areas of production, repair and service where conventional flammable hydrocarbons and organic solvents cannot be used.

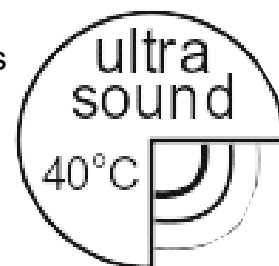
- ✓ **Slow rate of drying and residue-free evaporation (staining, electroplating).**
- ✓ **It is almost odourless (suitable for indoor use)**
- ✓ **Non-flammable, no hazards during handling, storage and handling**
- ✓ **Does not damage material surfaces (does not attack polystyrene foam)**
- ✓ **Suitable for basic corrosion protection of materials (inter-operative applications, storage, washing and degreasing). ASTM D 130 - 1 corrosion test.**
- ✓ **Ideal for washing surfaces before further processing.**
- ✓ **Free of poisonous, carcinogenic and toxic substances.**
- ✓ **Biodegradable (OECD 301F - 70%/28 days).**

**Flammability:** Flash point is 62°C in a closed container according to ISO 2719, **the product is NOT FLAMMABLE.**

**Density:** It has a low bulk density: 790Kg/m<sup>3</sup>. This low density prevents contaminants from "floating" to the surface (a problem that can be encountered with chlorinated hydrocarbon solvents, where dissolved particles settle back onto parts during removal).

**Dissolving power:** With a KB index of 31, it dissolves most oils and lubricants.

**Evaporation rate:** it has a slow evaporation rate, the loss due to evaporation from open baths is minimal. IMPASOL® 6 is isotropic and the evaporation rate is constant.



Solvent	Evaporation rate	Dissolving force	Odour	Flash point
<b>IMPASOL® 6</b>	30 min	<b>+</b> <b>+</b> <b>+</b> <b>+</b>	<b>Very low</b>	<b>62°C</b>
White spirit	7 min	<b>+</b> <b>+</b> <b>+</b>	<b>Extra high</b>	<b>- 11°C</b>
Acetone	50 sec	<b>+</b> <b>+</b> <b>+</b>	<b>Extra high</b>	<b>- 18°C</b>
Toulene	4 min	<b>+</b> <b>+</b> <b>+</b>	<b>Extra high</b>	<b>4°C</b>
Xylene	10 min	<b>+</b> <b>+</b>	<b>Extra high</b>	<b>24°C</b>

**Compatibility:** Compatible with all metals, including coated or precious metals. Can also be used on thermoplastics and hard thermoplastics that do not react to organic solvents and on compound materials (compounds). It has low surface tension (less than 27 dynes/cm), extremely good surface wettability and dilution capability.

**Degreasing:** Excellent solvent for pure or emulsion oils, whether mineral, silicone or synthetic, used for lubrication or metal finishing. It is ideal for the removal of lubricants and greases. It can be used as a selective agent to eliminate adhesives or uncured sealants. Removes adhesive residue from tapes and also some incompletely dried paint very well.

**Cleaning:** Extremely fast removal of oil or wax protection products used for temporary protection. Removes and dilutes silicone oil well, dissolves resins excellently. Its strength makes it excellent for diluting, removing and cleaning screen printing liquid inks. It is used to clean soiled electrical and electronic materials. Suitable for surfaces ready for painting or staining. Very useful for washing and degreasing electrical equipment and motors. Gently and effectively removes grease and dirt from plastics, painted and varnished surfaces. The product contains ingredients that form a protective film on cleaned metal surfaces and thus protect against corrosion in the short term. Removes asphalt marks from painted surfaces. Ideal for degreasing surfaces before painting or further surface treatment (e.g. galvanizing). Treats rubber parts, cleans and treats plastic materials, protects electrical contacts from moisture.

**Hot and Cold ultrasonic cleaning:** Works great in an ultrasonic cleaner up to 40°C at 25 or 40kHz. Significantly reduces the time required for dirt removal and degreasing.

**METHOD OF USE:** Immersion, Immersion and agitation, Soaking, Circulation, Swab, Brush, Microfiber, Ultrasonic, Low pressure spraying

CHARACTERISTICS	NORM	VALUE	UNIT
Appearance	Visually	Transparent liquid	
Test - Copper plate corrosion 100 h at 40°C	ASTM D 130	1	Record
SAYBOLT colour	ASTM D 156	30	NF M 07003
Destination starting point	ASTM D 86, NF M 07 002	175	°C
Destination end point		210	°C
KB index, solvent capability [rating]	ASTM D 1133	31	
Refractive index of light, at 20°C	ASTM D 1218	1,4350	
Hildebrand solubility		7,6	
Density at 15°C	ASTM D 4052	780 - 810	kg/m <sup>3</sup>
Flash point in closed container	ISO 2719	62	°C
Autoignition point	ASTM E 659	230	°C
Aromatic content	TS IL 13 (UV)	0,03	% v/v
Benzene, sulphur content	D 4367, D 5453	Max. 1	ppm
Aniline point (automatic)	ASTM D611	73	°C
Evaporation rate relative (ether=1)	DIN 53 170	200	
Vapour pressure (tension) at 20°C	NF M 07 007,	<1	mbar
Vapour pressure (tension) at 37.8°C	ASTM D 323	<3	mbar
Bromine number	ASTM 2710	10	mgBr/100g
Viscosity at 20°C	ASTM D 445	1,7	mm <sup>2</sup> /s
Evaporation rate		60 minutes	

### Instructions for use:

**IMPASOL® 6** is a pure degreaser applicable to all types of materials. Before use, we recommend to test and remove all signs of loose corrosion and oxidation by osmosis or wire brush. Then apply to the contaminated surface and leave to work. Dissolved dirt can be wiped off, best effect is achieved by spraying with pressurised water. The effect is increased by agitating the deposited dirt by using a hard brush or brush, the solvent can then penetrate the surface more easily. Repeat the procedure for heavier soiling. Can be used by hand or in degreasing baths. Can be used in an ultrasonic cleaner up to 40°C at 25 or 40Hz.

**PACKAGING:** 5l, 30l, 4\*30l, 200l

**HF SERVIS s.r.o.**, Plešnice 25, 330 33 Czech republic, Tel.: +420 377 279 255,

[impasol@hfservis.cz](mailto:impasol@hfservis.cz)

[www.impasol.com](http://www.impasol.com)