

IMPASOL® ODORLESS 27

**ABSOLUTELY ODORLESS DEGREASER AND THINNER
ESPECIALLY FOR CLOSED SPACES**

**DEGREASER FOR POLLUTION, OILS, LUBRICANTS, SILICONES,
RESINES AND ADHESIVES“
OPTIMUM EVAPORATION 27 MINUTES.**

ODORLESS is special series without odorous degreasers to closed, stuffy spaces and spaces without suction. Especially where the odor is inadmissible. Ideal for food, healthcare, agricultural, textile industry and assembly lines.

DESCRIPTION

IMPASOL® ODORLESS 27 is specifically developed as **ODORLESS DEGREASING DILUENT**. It removes and degreases mineral, synthetic, cutting, vegetable and animal lubricants and oils, preservative oils and waxes, paraffins, adhesives, inks, paints, putties, resins.

Ideal for open washing lines, spraying lines and large degreasing surfaces.

Its physicochemical characteristics are directly comparable with chlorinated solvents. **It replaces smelly, toxic and carcinogenic diluents and degreasers such as acetone, benzene, xylene, toluene, diluents, trichlor and perchlorine.** Its use avoids poisonous diluents. We guarantee it does not contain methylene chloride, perchlorethylene, trichlorethylene, HCFC 141 B and glycol.

IMPASOL® ODORLESS 15 is non-residue degreaser with high degreasing power, with optimum evaporation (27 minutes) and significantly improvement adhesion to surface, unique surface tension.

IMPASOL® ODORLESS 15 IS BIODEGRADABLE. Significantly improves safety and working conditions.

BENEFITS

- ✚ **ODORLESS**
- ✚ **Ideal evaporation rate**
- ✚ **Anticorrosive**
- ✚ **Without a stabilizer**
- ✚ **Guaranteed without poisonous, carcinogenic and toxic substances**
- ✚ **Compatible with most plastics and elastomers**
- ✚ **Removal power**
- ✚ **Unique surface tension**
- ✚ **Unique wettability 24,4 dyns**
- ✚ **Non-residue degreaser**

Combustibility. **ODORLESS 27** has flash point 50°C in closed container according to ISO 2719, product is neither highly nor extremely flammable. Therefore it is ideal where there is a risk of ignition at low temperatures, and where the fire would cause tremendous damage.

Odor. **ODORLESS 27** is absolutely without odor. It has not any acrid and poignant odor as chlorinated solvents. **ODORLESS 27** significantly improves ergonomic conditions in confined and unventilated spaces.

Evaporation rate. **ODORLESS 27** has evaporation rate 27 minutes, which make it ideal for large areas and open systems and washing lines. At room temperature it evaporates less and the loss due to evaporation is minimal. **IMPASOL® ODORLESS 27** is isotropic and its evaporation rate is stable.

Dissolution power. With KB index 46 **ODORLESS 27** dissolves most of the oils and lubricants. It is compatible with most plastics.

Density. **ODORLESS 27** has low volume weight: 753 Kg/m³. This low density prevents „swim dirt“ on the surface (a problem that can be countered at chlorinated hydrocarbon solvents, by its use the dissolved particles settle back on components when removing).

Hydrolysis. **ODORLESS 27** contains no stabilizers, because it does not represent any self-hydrolyzing risk. This solvent with high purity index has the same properties as chlorine solvents, which however can cause with its regenerated base or poor stability serious oxidation problems, especially before surface treatment, or before gluing and painting.

Compatibility. **ODORLESS 27** has very low surface tension (less than 24,4 dyn/cm). It has excellent surface wettability and ability to dilute. This property plus high degreasing ability does this product very economically usable. It is compatible with all metals including coated or precious metal. Can also be used on thermoplastic materials and hard thermoplastics, which do not respond to organic solvents, even on compound materials (compounds).

DEGREASING. **ODORLESS 27** is excellent solvent for pure or emulsion oils, whether mineral or synthetic, which are used for lubrication or metal treatment. It is ideal for removing greases and fats. It can be use as selective factor to eliminate adhesives or uncured putties. It removes residues adhesives from the tapes. It removes some incompletely dries colors.

It quickly removes oil or wax protection products used for temporary protection. Good dissolves silicone oil. It is especially suitable for surfaces prepared for gluing or dyeing. It can be also used for cleaning surfaces before electrochemical treatment. Big use has by washing and degreasing electrical equipments and motors.

CLEANING. **ODORLESS 27** greatly removes oils and lubricants. It replaces dangerously flammable acetones and benzines in many cleaning applications. It is used for cleaning dirty electrical and electrotechnical materials (e.g. during storage), when the surface does not react to organic solvents. It can be used for cleaning any surface contaminated with organic or inorganic impurity. Ideal for cleaning all surfaces from organic or inorganic impurities before construction, storage, before surface treatment chemical or electrochemical, before gluing or dyeing, before chemical or electrochemical surface treatment.

METHOD OF USE

Cloth Immersion Dipping Tampon Brush
 Circulation Immersion and mixing Low-pressure spraying

IMPASOL® ODORLESS 27 is very effective in:

- **ENGINEERING**
 - excellent solvent of oils, lubricants, preservative oils and waxes
- **PLASTICS INDUSTRY**
 - non-residue cleaning and degreasing forms from preservative oils and waxes
- **ELECTRICAL INDUSTRY**

- **IMPASOL® ODORLESS 27** is product with high purity index. Therefore it is very suitable for using in electrical industry for all degreasing and cleaning operations on el. equipments and for electric motors
- It does not attack materials used in electrical industry, It does not damage insulating lacquers
- **GRAPHIC INDUSTRY**
 - effective eliminating inks, paints and dirt from screen printing
 - perfectly non-residue degreasing surfaces (trays of colors)
- **PREPARATION SURFACES BEFORE DYING, GLUING AND BEFORE APPLICATION LUBRICANTS**
 - It guarantees non-residue cleanup of surface before the next processing
 - It significantly increases surface adhesion
 - It can be used for preparation surfaces from metals, plastics, composites and elastomers
 - Ideal for removal of organic and inorganic marks before the next surface treatment
 - It does not contain any stabilizer and it does not cause surface oxidation

ODORLESS 27 is used clean, cold. Individual parts can be cleaned manually, by soaking, but also by rinsing and washing systems. The surface can then be cleaned with water under low or high pressure, which better removes residual lubricants, paints, lacquers and dirt. This greatly reduces the economic costs. **ODORLESS 27** is applied with a cloth, brush, by dipping, rinsing, in tank, spraying, by dive, with or without mixing (circuits). Time of cleaning surfaces (removal of old paint) depends on the nature of the deposit, respectively coating, which needs to be removed, on its thickness and on the phase of curing (polymerization). **ODORLESS 27** is able to clean poor coatings in about 2 to 4 minutes (5-500µm). In case of removal more layers this time can be longer (7 minutes and more by layer of coating). Usage **ODORLESS 27** does not require any subsequent investment into a costly washing line, security measures, special stores of combustibles and caustics, etc.. It very easily adapts to every removal and degreasing process (very suitable for washing systems, dipping and diving baths).

CHARACTERISTICS	NORM	VALUE	UNIT
Color	Interne CQ 016	Transparent	
Test - Copper plate of corrosion 100 h at 40°C	ASTM D 130 NFM M 07015	1a	Record
Water dilutability		minimally	
Index KB, the ability of the solvent	ASTM D 1133	46	[bonitace]
Refractive index of light, at 20°C	ASTM D 1218	1,40	
Density at 25°C	EN ISO 12 185	753	kg/m ³
Flash point in closed tank	ISO 2719	50	°C
Self-ignition point	ASTM E 659	More than 230	°C
Freezing point	ASTM D 97	-25	°C
He residue after evaporation	ASTM D 1209	0	%
Pressure (tension) vapor at 20°C	EN 13016-1	0,1	hPa
Surface tension at 20°C	ISO 6295	24,4	Dynes/cm
Viscosity at 40°C	EN 3104	1	mm ² /s
Evaporation rate	NF T 30 301	27	minutes

PACKAGING : 30 and 200 liters

HF SERVIS s.r.o., Plešnice 25, 330 33 Město Touškov
 Tel. : 377 279 255, E-mail: technik@hfservis.cz www.hfservis.cz