

IMPASOL® ODORLESS 15

ABSOLUTELY ODORLESS DEGREASER AND THINNER

ESPECIALLY FOR ENCLOSED SPACES

**DEGREASER FOR POLLUTION, OILS, LUBRICANTS, SILICONES,
RESINS AND ADHESIVES“**

OPTIMAL EVAPORATION 15MINUTES

ODORLESS special range odorless degreasers to enclosed, unventilated and spaces without suction. Especially there, where the odor is unacceptable. Ideal for food industry, healthcare, agricultural, textile industry and assembly lines.

POPIS

IMPASOL® ODORLESS 15 is specifically developed as **ODORLESS DEGREASING THINNER**. Removes and degreases mineral, syntetic, cutting, plant and animal lubricants and oils, preservatives oils and waxes, paraffins, adhesives, inks, paints, putties, resins.

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

Its physicochemical characteristics are directly comparable with chlorinated solvents. It replaces smelly, toxic and carcinogenic diluents and degreasers like is acetone, benzine, xylene, toluene, diluents, trichlor and perchlorine. Its use avoids poisonous diluents. We guarante it does not containe methylene chloride, perchlorethylene, trichlorethylene, HCFC 141 B and glycol.

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

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

BENEFITS

- ✚ **ODORLESS**
- ✚ **Idealn evaporation rate**
- ✚ **Anticorrosive**
- ✚ **Without a stabilizer**
- ✚ **Guaranteed without poisonous, krcinogenic and toxic substances**
- ✚ **Compatible with most plastics and elastomers**
- ✚ **Removal power**
- ✚ **Unique surface tension**
- ✚ **Unique wettability 24,7 dyn**
- ✚ **Non-residue degreaser**

Combustibility. **ODORLESS 15** has flash point 30°C in closed container according to ISO 2719, product is not highly or extremely flammable. Therefore, it is ideal where there is the risk of ignition at low temperatures, and where the fire would cause enormous damages.

Odor. **ODORLESS 15** is absolutely without odor. Has not any pognant and irritant odor as chlorinated solvents. **ODORLESS 15** significantly improves ergonomic conditions in cramped and stuffy spaces.

Evaporation rate. **ODORLESS 15** has evaporation rate practically identical like is evaporation rate of perchlorethylene. At room temperature is evaporates less and the loss due to evaporation is minimal. **IMPASOL® ODORLESS 15** is isotropic and its evaporation rate is stable.

Dissolving power. With KB index 45 **ODORLESS 15** dissolves most oils and lubricants. Is compatible with most plastics.

Density. **ODORLESS 15** has low volume weight: 745 Kg/m³. This low density prevents „swim dirt“ on the surface (problem, with which it is possible to meet with chlorinated hydrocarbons solvents, with its use the dissolved particles settle back on the parts over removal).

Hydrolysis. **ODORLESS 15** does not contain any stabilizers, because does not represent any self-hydrolyzing risk. This solvent with high purity index has the same properties as chlorinated solvents, which however can cause with its regenerated base or bad stability serious oxidation problems, primarily before surface treatment, or before gluing and painting.

Compatibility. **ODORLESS 15** has very low surface tension (less than 24,72 dyn/cm). Has excellent surface wettability and ability to dilute. This property plus high degreasing ability does this product very well economically usable. Is compatible with all metals including coated or precious metals. It can also be used for thermoplastics materials and hard thermoplastics, which does not respond on organic solvents, even on compound materials (compounds).

DEGREASING. **ODORLESS 15** is excellent solvent to pure or emulsion oils, whether mineral or synthetic, which are used for lubrication or metal treatment. It is ideal for removal lubricants and fats. It can be used as selective factor to eliminate adhesives or uncured putties. It removes adhesive residues from tapes. It removes some incompletely uncured paints.

It fast removes oil or waxes protective products used for temporary protection. It well diluted silicone oil. It is especially suitable for surfaces prepared for gluing or dyeing. It can also be used for cleaning surfaces before electrochemical treatment. Great application has by washing and degreasing electrical devices and engines.

CLEANING. **ODORLESS 15** great removes oils and lubricants. It replaces dangerous flammable acetones and benzines in many cleaning applications. It is used for cleaning polluted electrical and electrotechnical materials (e.g. during storage), when surface does not react to organic solvents. It can be used for cleaning any surface contaminated with organic or inorganic impurities. Ideal for cleaning all surfaces from organic or inorganic pollution before construction, storage, before surface treatment chemical or electrochemical, before gluing or dyeing, before chemical or electrochemical surface treatment.

METHOD OF USE

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

IMPASOL® ODORLESS 15 is very effective in:

ENGINEERING

- excellent solvent oils, lubricants, preservative oils and waxes

- **PLASTICS INDUSTRY**
 - non-residue cleaning and degreasing molds from preservative oils and waxes
- **ELECTRICAL INDUSTRY**
 - **IMPASOL® ODORLESS 15** is product with high purity index. Therefore it is very suitable for use in electrical industry to all degreasers and cleaning operations on electrical equipments and for electric motors
 - It does not attack materials used in electrical industry, does not damage insulating lacquers
- **GRAPHIC INDUSTRY**
 - effective eliminating inks, paints and dirt from screen printing
 - perfectly non-residue degreasing surfaces (color trays)
- **PREPARATION SURFACES BEFORE DYING, GLUING AND BEFORE APPLICATION LUBRICANTS**
 - Guarantees non-residue surface cleaning before next treatment
 - Significantly increases surface adhesion
 - It can be used for preparation surfaces from metals, plastics, composites and elastomers
 - Ideální k odstranění organických a anorganických stop před dalším zpracováním povrchu
 - It does not contain any stabilizer and does not cause surface oxidation

ODORLESS 15 is used clean, cold. Individual parts can be cleaned manually, by soaking, but also by rinsing and washing systems. Surface can be then cleaned with water under low and high pressure, which better remove residues of lubricants, paints, lacquers and dirt. This greatly reduces economic costs. **ODORLESS 15** is applied with a cloth, brush, by dipping, rinsing, in the tank, spraying, by dive, with or without mixing (circuits). Cleaning time surfaces (removal of old paints) depends on the nature of the deposit, respectively coating, which needs to be removed, on its thickness and rank of curing (polymerization). **ODORLESS 15** is able approximately for 1 to 4 minutes to clean weak coatings (5-500µm). In case of removing multiple layers this time can be longer (7 minutes and more by layer of coating). Usage **ODORLESS 15** does not require any subsequent investment to expensive washing line, security measures, special storage of flammable substances and mordants, etc.. Very easy to adapt to everyone 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 corrosion 100 h in 40°C	ASTM D 130 NFM M 07015	1a	Record
Water dilutability		minimally	
Index KB, the ability of the solvent	ASTM D 1133	45	[bonitace]
Refractive index of light, at 20°C	ASTM D 1218	1,40	
Density at 25°C	EN ISO 12 185	745	kg/m ³
Flash point in closed container	ISO 2719	30	°C
Self-ignition point	ASTM E 659	More than 240	°C
Freezing point	ASTM D 97	-55	°C
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	24,7	Dynes/cm
Viscosity at 40°C	EN 3104	0,86	mm ² /s
Evaporation rate	NF T 30 301	15	minutes

PACKAGING : 30 a 200 liters

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