

# IMPASOL<sup>®</sup> Orange<sup>®</sup>

## FAST AND SAFE DEGREASER

STRONG LIQUID MIXTURE "IDEAL FOR PREPARATION OF SURFACE BEFORE FURTHER APPLICATIONS"

REMOVES POLLUTION, OILS, LUBRICANTS, SILICONES, RESINS AND ADHESIVES

REPLACES PERCHLORATES, BENZENE, ACETONE AND THINNERS

***Fast degreasing liquid remover for industrial and machine engineering.***

**IMPASOL<sup>®</sup> ORANGE** is a combination of two excellent degreasing fluids in a unique quick safe degreaser. Its advantage is in its micro-emulsion of natural terpenes, a mixture of highly active micro-emulsion premium citrus oils, which exceptionally removes oil emulsion. Furthermore, it removes and degreases minerals, vegetable and animal greases, oils, preservative oils and waxes, adhesives, inks, paints, sealants, resins and difficult to remove impurities.

Its physical-chemical properties are directly comparable to the ones of chlorinated solvents. Additionally **IMPASOL<sup>®</sup> ORANGE** solves toxicological and environmental problems. It replaces degreasing agents such as trichloromethane, perchlorethylene, acetone, alcohol (isopropyl alcohol), gasoline and solvents. Product is free of poisonous, dangerous and highly flammable solvents. Doesn't include methylene chloride, perchlorethylene, trichlorethylene, HCFC 141 B.

**IMPASOL<sup>®</sup> ORANGE** leaves no traces and has a high degreasing power with optimum evaporation (7- 9min.). It also significant improvement the surface adhesion of the treated area and creates a unique surface tension.

**IMPASOL<sup>®</sup> ORANGE** is biodegradable. Significantly improves safety and working conditions, and protects the environment.

### ITS BENEFITS

- ✚ Isn't highly flammable
- ✚ Has an ideal evaporation rate
- ✚ Is anticorrosive
- ✚ Is guaranteed to be free of toxic, carcinogenic and toxic substances
- ✚ Has a high stripping power
- ✚ Creates an unique surface tension
- ✚ Leaves no traces
- ✚ Is free of aggressive odours
- ✚ Can be used on most plastics

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## FLAMMABILITY:

In accordance with ISO 2719, **IMPASOL<sup>®</sup> ORANGE** has a flashpoint of 35 ° C in a sealed container. Thus this product isn't highly or extremely flammable and doesn't have a warning flame symbol. Therefore, it is ideal to be used in environment where there is a treat of ignition at low temperatures, and where a can potentially cause tremendous damage.

## ODOURS:

**IMPASOL<sup>®</sup> ORANGE** is stench free and has a pleasant orange scent. It has no pungent or irritating odour such as chlorinated solvents. **IMPASOL<sup>®</sup> ORANGESOLVE** significantly improves the ergonomic conditions in cramped and unventilated spaces.

## EVAPORATION RATE:

**IMPASOL<sup>®</sup> ORANGE** has an evaporation rate virtually identical to the one of perchlorethylene. At room temperature, it evaporates less and the loss due to evaporation is minimal. **IMPASOL<sup>®</sup> ORANGE** is isotropic and its evaporation rate is constant.

Thinner	Evaporation rate	Dissolving power	Odour	Flash point
<b>IMPASOL<sup>®</sup> ORANGE</b>	7-9 min	<b>+++</b>	<b>Citrus fragrance</b>	<b>35°C</b>
Technical petrol	7 min	<b>+++</b>	<b>Extremely high</b>	<b>- 11°C</b>
Acetone	50 sec	<b>+++</b>	<b>Extremely high</b>	<b>- 18°C</b>
MEK	1 min 20	<b>++</b>	<b>Extremely high</b>	<b>-9°C</b>
Toluene	4 min	<b>+++</b>	<b>Extremely high</b>	<b>4°C</b>
Xylene	10 min	<b>++</b>	<b>High</b>	<b>24°C</b>
Perchlorethylene	8-10 min	<b>+++</b>	<b>High</b>	<b>Without</b>
Trichloroethylene	4 min	<b>+++</b>	<b>High</b>	<b>Without</b>

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## DISSOLVING POWER

With the KB index **IMPASOL<sup>®</sup> ORANGE** dissolves most oils and lubricants. Paradoxically, it is compatible with most plastics.

## DENSITY

**IMPASOL<sup>®</sup> ORANGE** has a low volume weight: 792 kg / m<sup>3</sup>. This low density prevents the "filth to float" on the surface, a problem that may be encountered in chlorinated hydrocarbon solvents, where dissolved particles settle back to parts during removal.

## COMPATIBILITY

**IMPASOL<sup>®</sup> ORANGE** has a low surface tension of less than 27 dynes / cm. It has an extremely good surface wettability and can be diluted. This property and the high degreasing capability makes this product very low cost.

## DEGREASING PROPERTIES

**IMPASOL<sup>®</sup> ORANGE** is an excellent solvent for cleaning or emulsion for oil (mineral, silicone or synthetic), which are used as lubricants or for the treatment of metals. It is ideal for removing greases and fats. It can be also used as a selective agent to eliminate adhesives, uncured sealants, residue adhesive from tapes, and paint. **IMPASOL<sup>®</sup> ORANGE** removes extremely quickly oily or waxy protective layers temporary protection, and removes or dilutes silicone oils. It is particularly suitable for surfaces ready for varnish or paint. It may also be used to clean surfaces prior to electrochemical treatment. It is of great use of cleaning and degreasing electrical equipment and motors.

## CLEANING

**IMPASOL<sup>®</sup> ORANGE** is excellent in dissolving resin and substitutes dangerous acetone and gasoline. Because of its strength, it is excellent for thinning, removal and cleaning of printing liquid colors from screen-printing.

**IMPASOL<sup>®</sup> ORANGE** is used for cleaning soiled electrical and electronic materials, where the surface does not react to an organic solvent. It can be used to clean any surface contaminated organically or inorganically, prior to further surface treatment (chemically, electrochemically, gluing, staining).

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***Fast degreasing liquid remover for industrial and machine engineering.***

**IMPASOL<sup>®</sup> ORANGE is very effective in:**

## **ENGINEERING**

- Degreasing and cleaning surfaces prior to further surface treatment (dyeing, painting, enamelling, plastic coating, etc.)
- Excellent solvent for oils, lubricant (even ANTISEIZE and silicones), preservatives, and waxes

## **PLASTICS INDUSTRY**

- Residue-free cleaning and degreasing of moulds from preserving oils and waxes, including silicones.
- Removes color decal

## **ELECTRONICAL INDUSTRY**

- Can be used for all degreasing and cleaning operations on electrical equipment.

## **SURFACE PREPARATION PRIOR TO PAINTING, GLUING AND THE APPLICATION OF LUBRICANT**

- Guarantees residue free cleaning surfaces for further processing.
- Significantly increases surface adhesion.
- It may be to prep the metal, plastic, composite and elastomer surfaces.
- Is ideal for removing organic and inorganic traces before further surface treatment.
- Is free of stabilizer and doesn't oxidize the surface.

**IMPASOL<sup>®</sup> ORANGE** is to be used in its raw form (non diluted), while being cold. Individual parts can be cleaned manually, with a cloth, by dipping, as well as rinsing and washing structures.

**IMPASOL<sup>®</sup> ORANGE** is to be applied with a cloth or by brushing, dipping, rinsing in a tank, spraying, with stirring or without stirring (circles). Period (hours) of cleaning depends on the nature and of the thickness of the coating that is to be removed.

**IMPASOL<sup>®</sup> ORANGE** is able to purge a thin coating (5-500µm) in approximately 0.3 to 3 minutes. In case of the removal of multiple layers, this removal time can be longer (5 minutes or more per layer of coating).

The use of **IMPASOL<sup>®</sup> ORANGE** requires no subsequent investment in expensive car wash, safety measures, special storage for flammables and corrosives substances, etc.

## **METHOD OF APPLICATION**

- Rag
- Dipping / immersion
- Tampon
- Low pressure spraying
- Circulation
- Brush

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CHARAKTERISTIKA	NORM	VALUE	UNIT
Appearance	Visual	Liquid	
Color	Interne CQ 016	Transparent	
Test - Copper sheet corrosion for 100 h at 40 ° C	ASTM D 130	1a	Entry
Physical condition	Visual	Liquid	
Dilutable		Slightly	
Index KB, the ability of the solvent	ASTM D 1133	<b>50</b>	[bonitace]
Density at 25 ° C	EN ISO 12 185	792	kg/m <sup>3</sup>
Flash point in a closed vessel	ISO 2719	35	°C
Boiling point		More than 120	°C
Freezing point	ASTM D 97	-30	°C
Balance after evaporation	ASTM D 1209	<b>0</b>	%
The pressure (tension) vapour at 20 ° C	NF M 07 007	<10	mbar
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	7 - 9	minutes

**PACKAGING :** 30 and 200 litres

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