

# IMPASOL® BIO SP

**IMPASOL®**  
PRŮMYSLOVÉ ODMAŠŤOVAČE  
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## ***CLEANING AND DEGREASING EMULSION BIOTECHNOLOGY LIQUID FOR HIGH PRESSURE CLEANING***

**Instant replacement of Trichloro-1,1,1,-ethane, Perchloroethylene,  
Hydrocarbons, organic solvents and gasoline**

**Removes mineral and vegetable oils, lubricants, tar,  
resins and petroleum substances, uncured PU  
compounds, epoxy and polyester adhesives  
Waterborne emulsion from as little as 3%  
High pressure degreasing and removal power  
100% biodegradable degreaser  
Anti-corrosive  
ABSOLUTELY SAFE**



**IMPASOL® BIO SP** is a specifically developed biotechnological liquid completely different from harmful hydrocarbon degreasers and cleaners. It is an emulsifying cleaning and degreasing fluid that has been developed for the safe and economical cleaning of metal surfaces where it uniquely removes bitumen, resins, inks, oils, greases and fats. Other applications are in the removal of uncured adhesives, sealants and residues from the burning of petroleum products (tar). It works as a replacement for hydrocarbon solvents or any petroleum based solvents.

**IMPASOL® BIO SP** meets the most strict occupational (health protection, non-flammable, non-toxic, usable in enclosed and non-ventilated areas) and environmental (100% biodegradable according to OECD 301 B and 302) requirements under economically very beneficial conditions.

It is ideal for excellent removal of mineral oils, impurities, fuels, bitumens and emulsion oils as well as for degreasing lubricants and combustion residues. The widest application is where degreaser could leak into the environment. It is compatible with all materials such as metals, plastics, elastomers and rubbers, concrete, tiles and other building materials.

By using it, you avoid poisonous, toxic, carcinogenic, dangerous and flammable degreasers. You will completely resolve labour (e.g. non-flammability according to 99/92/EC ATEX Zone) and environmental (EMS, ISO 14000) issues in your company and avoid possible penalties for non-compliance with very strict environmental and labour regulations.

**Guaranteed free of AROMATES, CHLOR, BROM, HEAVY METALS, CFC, HCFC, HFE and petroleum derivatives.**

**IMPASOL® BIO SP** is an absolutely pure degreaser without an aggressive smell. It is applicable in all sectors of the **engineering, petroleum, rubber, printing, electrical, packaging, agricultural, textile and construction industries.**

**IMPASOL® BIO SP** is suitable for all types of metals. Its safe composition (not extremely or highly flammable, toxic or poisonous) makes it suitable for degreasing and removing impurities from machines and machine complexes in industry, construction and agriculture where it is not classified as an extremely or highly flammable substance.

# IMPASOL® BIO SP

## ADVANTAGES:

- HOT CLEANER
- WATER-DILUTABLE
- VERY ECONOMICAL
- Anti-corrosive
- HIGH-PRESSURE
- SAFE
- FIREPROOF
- NON-TOXIC

## APPLICATION and USE

**IMPASOL® BIO SP IS EFFECTIVE AGAINST MOST NON-CLEANING PRODUCTS** when used in concentrate and later rinsed with pressurised water.

### Excellent results on:

- Mineral Oil .....excellent
- Vegetable oil .....excellent
- Press Oil .....excellent
- Emulsion oil .....excellent
- Bitumen and tar...excellent
- Fuels .....excellent

### Good efficiency with mechanical assistance:

- Mineral lubricant .....excellent
- Synthetic lubricant .....excellent
- Synthetic oils .....excellent
- Paints and inks.....excellent
- Polyurethane, epoxy and polyester adhesives .....excellent

It can be applied as a 5-12% emulsion or even a 3% emulsion for general hand washing with warm water.

8 to 12% **EMULSION** **IMPASOL® BIO SP** removes coarse dirt cold in oil pumping stations, storage tanks (drum flushing), from highly contaminated engines, transport tanks or during spray washing.

**IMPASOL® BIO SP** 5 - 8 % concentration is completely sufficient for extra effective cleaning of all surfaces contaminated with light hydrocarbons (traces of petrol, diesel, etc.), other fuels, wood burning residues (pitch), gases and oils.

**Example of IMPASOL BIO SP concentration for application with warm water and pressure system:**

		% dilution of IMPASOL BIO SP in water						
		3 %	5 %	8 %	10 %	12 %	15 %	20 %
Pressure washers, spray washers water temperature 60°C	Bitumen							
	Diesel, petrol							
	Preservative oil							
	Mineral oil							
	Crude oil type Nord							
	Mineral lubricant							
High pressure washing water temperature 60°C	Bitumen							
	Diesel, petrol							
	Preservative oil							
	Mineral oil							
	Crude oil type Nord							
	Mineral lubricant							
Hand wash water temperature 40°C	Bitumen							
	Diesel, petrol							
	Preservative oil							
	Mineral oil							
	Crude oil type Nord							
	Mineral lubricant							

**Usable pure, undiluted IMPASOL® BIO SP** allows immediate dilution or removal of traces of bitumen, asphalt, etc.; it is an excellent replacement solvent with chlorinated or aromatic solvents; ideal for eliminating bitumen from machinery. In a short time of action, undiluted **IMPASOL® BIO SP** can be very easily sprayed with water with or without pressure; this saves material.

A 3% aqueous solution of **IMPASOL® BIO SP** is fully sufficient for frequent **universal washing**. At this concentration it provides excellent efficiency for manual removal of dirt e.g. machines, engines, work surfaces and tools, floors, etc.

**IMPASOL® BIO SP** quickly eliminates all tars, including those from combustion residues or tars of vegetable origin (Judean resin, tar from Norway).

**IMPASOL® BIO SP** is the ideal solvent for the removal of all kerosene derivatives, (even of organic origin) cutting oils or emulsions for machining (e.g. chipping) and metal forming, greases, lubricants, separators and lubricating fluids.

**IMPASOL® BIO SP** is ideal for cleaning machines and motors in the engineering industry, where it meets the most stringent environmental standards, including ISO 14001, at very favourable economic parameters.

**IMPASOL® BIO SP** effectively removes the effects of oil accidents by perfectly removing all residues (fuels, oils and greases, grease, tars). It also removes and cleans accident residues from floors and roads. It is absolutely safe for the environment. Ideal for cleaning and washing cars, construction, agricultural and forestry machiner.

**IMPASOL® BIO SP** is used for:

- Hand washing
- Soaking
- In high pressure washers up to + 60°C
- Immersion in hot tanks up to + 80°C
- Immersion in tanks with a hot circuit up to + 80°C
- In floor machines
- Low-pressure spraying
- High pressure spraying

# SAFETY

**IMPASOL® BIO SP** is a 100% Biodegradable washing and degreasing liquid.

## COMFORTABLE TO USE - HEALTH PROTECTION

**IMPASOL® BIO SP** is NOT classified as FLAMMABLE, HAZARDOUS, TOXIC, HARMFUL TO HEALTH, HAZARDOUS TO THE ENVIRONMENT, etc..

Does not contain AROMATES, BENZENES, CHLOR, BROM and other very hazardous substances and compounds.

**IMPASOL® BIO SP** DOES NOT HAVE THIS SYMBOL!



**IDEAL FOR HIGH PRESSURE AND OPEN WASHING (BATHTS, OPEN LINES, TANKS, ETC.), NO SUCTION REQUIRED. NO HARM TO WORKERS' HEALTH.**

The use of **IMPASOL® BIO SP** does not require any subsequent investment in expensive washing lines, extraction, safety measures, special storage of flammable and corrosive substances, etc. It is very easily adapted to any degreasing process (very suitable for spray washing, soaking and immersion baths).

**IMPASOL® BIO SP** can be used in many areas of production, repair and servicing where conventional hydrocarbons and organic solvents cannot be used and does not impair working conditions.

- Very effective solvent for a wide range of applications
- Extra strong solvent for most oils
- Strong solvent for most fats and petroleum jelly
- Powerful carbonised tar remover
- Uniquely dissolves crude oil
- For manual application (cloth, swab and brush)
- For high pressure applications (vap, spraying)
- For washing in dishwashers, washing machines and for immersion in the tank

CHARACTERISTICS	NORMA	VALUE	UNIT
Appearance	Visual	Liquid	
Colour	Internal CQ 016	Amber	
Scent		Extremely faint scent	
Volume-weight (25°C)	NF EN ISO 12185	890	Kg/m <sup>3</sup>
Flash point	ISO 2719	>160	°C
Autoignition point	ASTM E 659	>300	°C
Solidification point		1	°C
Freezing point of emulsion		1	°C
Vapour pressure (20°C)	NF M 07 007	<0.01	kPa
Lower explosive limit		NON-EXPLOSIVE	% v/v
Upper explosive limit		NON-EXPLOSIVE	% v/v
KB index, solvent capability [rating]	ASTM D 1133	188	
Aromatic element content, Cl, Br, CFC, HCFC, HFE		0	ppm
Heavy metal content		0	ppm

## USE

**IMPASOL® BIO SP** is used neat or diluted, cold or hot, up to 80°C. It cannot be used for steam cleaning. **IMPASOL® BIO SP** is applied with a cloth, in a tank, by spraying, dipping and with or without agitation (circuits). The use of **IMPASOL® BIO SP** does not require any subsequent investment in expensive washing lines, extraction, safety measures, special storage of flammable and corrosive substances, etc... It is very easily adapted to any degreasing process (very suitable for soaking and immersion baths).

**IMPASOL® BIO SP** is a pure degreaser suitable for all types of materials. For faster evaporation, we recommend blowing the cleaned parts with warm air (60-80°C) for several minutes or using **IMPASOL® BIO SP** at temperatures up to 80°C to achieve fast drying (approx. 15 min.). We recommend removing all signs of loose corrosion and oxidation by osmosis or wire brushing.

**PACKAGING :** kanystr 20l, sud 200l

**STORAGE:** Store out of reach of children and away from sources of ignition. **HEALTH AND SAFETY:** Avoid contact with eyes. Read safety data sheets before use. The values given are averages and do not represent specifications.

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