

iBiotec®

**ALTERNATIVE SOLVENTS - CMR SUBSTITUTION
Eco-SOLVENTS**

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iBiotec®

NEUTRALÈNE® VG 2020

**PLANT-BASED SOLVENT
FOR DIFFICULT DEGREASING
SAFE SOLVENT WITHOUT HAZARD PICTOGRAM
WITHOUT VOC, EASILY BIODEGRADABLE, NON-FLAMMABLE
100 % SAFE**



***ECO-SOLVENT FOR TOUGH DEGREASING, ESPECIALLY FOR STRUCTURES, NETWORKS,
TANKS, PANS, INDUSTRIAL MAINTENANCE***



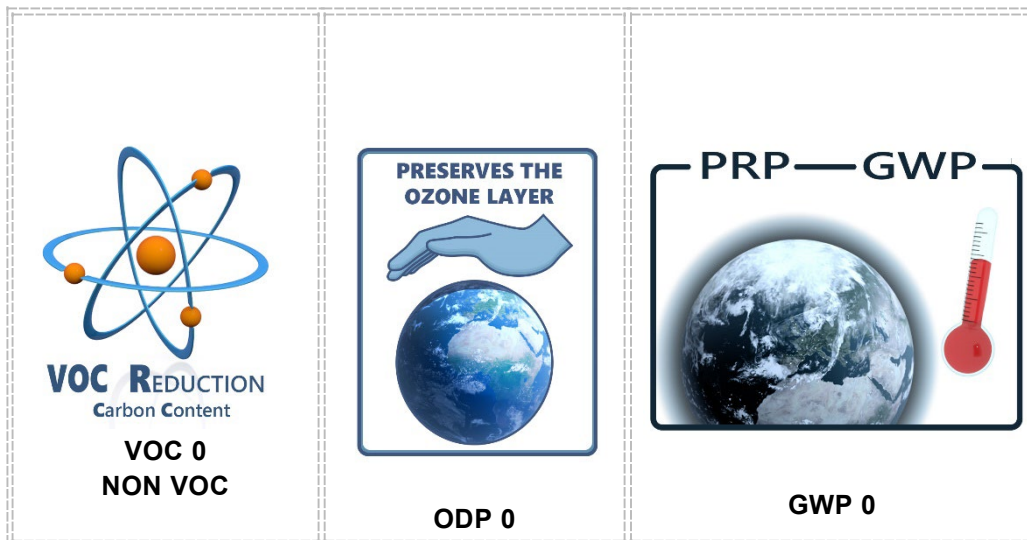
High-performance degreasing cleaning agri-solvent.
Guaranteed free of hazardous, harmful, irritating, or sensitising substances.

Can be used cold or on hot surfaces.
Declassification of ATEX zones.

Very high solvent power KB index greater than 180.

Usable pure, diluted in water, rinsable with water.
Immediate dissolution of tar, crude oil, heavy hydrocarbons,
combustion residues, greases and lubricants.

SMP optimisation
Solvent Management Plan
(IED Directive)
Solvent input/output material balance
Low volatility, reduction of consumption.
ELIMINATION OF SOLVENT EMISSIONS



CLASS NHIW (non-hazardous industrial waste) Reduced cost of destruction.

Freezing point -4°F. Outdoor storage is authorised.
Without retention (labour code. Unlabelled product
ICPE environmental code. Non-polluting product)

Reduction of industrial risk, operating loss, third-party liability
(insurance code)

APPLICATIONS

RIG WASH
MRO
OIL&GAS operators
Offshore and On-shore
and on chemical sites
Maritime transport
Decontamination

High-risk hot environments, smelting, foundries, forges, glassworks. Heat treatment.

Dilution, dispersion and cleaning of crude oils, distillation residues (bitumen), combustion residue (tar), heavy oil distillates, paraffin, oils, combustibles and fuels, diesel, fuel oil, jet fuel, petrol.

Elimination of coal tar, bitumen of Judea, waterproof coatings, non-polymerised flat seals, web offset liquid inks, flexo inks. Cleaning of loading, storage, and holding areas. Cleaning of engines, chassis, and machinery. Port areas, chemical sites, refineries, mining operations, general maintenance. Road decontamination. Print shops. Printing on packaging.

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

CATEGORY: APOLAR AGROBASED SOLVENTS

PROPERTIES	STANDARDS	VALUES	UNITS
Appearance	Visual	Clear	-
Colour*	Visual	Orange-yellow	-
Odour	Olfactory	Light, characteristic	-
Density at 25°C	NF EN ISO 12185	0,878	kg/m ³
Freezing point	ISO 3016	-4	°F
Water solubility	-	100	%
Kinematic viscosity at 40°C	NF EN 3104	4,5	mm ² /s
Surface tension	NF ISO 6295	32	dyne/cm
Solvent power Kauri Butanol index	ASTM D 1133	180	-
Acid index	EN 14104	<1	mg(KOH)/g
Iodine index	NF EN 14111	<120	gl ₂ /100g
Water content	NF ISO 6296	< 0.2	%
PROPERTIES	STANDARDS	VALUES	UNITS
Flashpoint (closed cup)	NF EN 22719	>338	°F
Self-ignition point	ASTM E 659	>482	°F
Lower Explosive Limit	-	Non-explosive	% (volume)
Upper Explosive Limit	-	Non-explosive	% (volume)
Explosive, oxidising agent, flammable, highly or extremely flammable substance content	CLP Regulation	Total absence	%
PROPERTIES	STANDARDS	VALUES	UNITS
Anisidine index	NF ISO 6885	<6	-
Peroxide index	NF ISO 3960	<10	meq(O ₂)/kg
TOTOX (anisidine index+2x peroxide index)	-	<26	-
CMR, irritant and corrosive substance content	CLP Regulation	Total absence	%
Residual methanol content from transesterification	GC-MS	0	%
Emissions of hazardous compounds, CMR, irritants, corrosive at 160°C	GC-MS	0	%
PROPERTIES	STANDARDS	VALUES	UNITS
Water hazard	WGK Germany	1	class
Primary CEC biodegradability 21 days at 25°C	L 33 T 82	> 90	%
Ready biodegradability OECD 301 A over 28 days DOC die-away	ISO 7827	> 80	%
Ready and ultimate biodegradability OECD 310 C over 28 days Biodegradation at 67 days	MITI amended	> 90 100	% %
Bioaccumulation n-octanol/water ratio	OECD 107	< 3	log K _{OW}

Steam pressure at 20°C	-	<0.1	hPa
VOC content (Volatile Organic Compounds)	-	0	%
Solvent content	-	0	%
Environmentally-hazardous substance content	-	Total absence	%
Content of compounds with GWP	-	0	%
Content of compounds with ODP	-	0	%
Carbon assessment, life cycle analysis.	ISO 14040	1.55	kg carbon equivalent

* The colour of agrobased solvents cannot be specified. It depends on the country of origin, the crop, and the season.



WARNING

Contrary to preconceptions or what certain people want you to believe, "green" solvents are not always green.

Agrobased products can be harmful or even dangerous to the environment.

We guarantee that NEUTRALENE VG 2020 contains no substance or compound with a limit or average exposure value or considered hazardous under CLP regulations, whether used at room temperature or on hot surfaces up to 160°C (product and emissions). (Measurements performed in GC-MS).

INSTRUCTIONS FOR USE

Undiluted use.

Apply the product to the surfaces to be degreased or cleaned using a cloth, brush, or paintbrush, or a traditional low-pressure spray bottle.

Allow to act for a short time according to the contaminants to be removed, and then rinse with clean water using high-pressure equipment, running water, or a damp cloth, according to the installation.

Diluted in water.

The same instructions apply. **NEUTRALENE® VG 2020** can be diluted from 10% to 50% in water, according to the nature of the pollutants to be eliminated.

User precautions: **NEUTRALENE® VG 2020** are powerful degreasing and cleaning agents. If necessary, check their compatibility with materials or surface coatings, particularly sensitive plastics, classic paints or slightly crosslinked paints

PRESENTATIONS



INSTRUCTIONS FOR USE



Degreasing with rag



Degreasing with brush



Low-pressure sprayers with water rinse from 20% in water



Ultrasound tanks from 10 % in water



Spray washing machine from 10 % in water

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USAGE RESERVE AUX UTILISATEURS PROFESSIONNELS

Consulter la fiche de données de sécurité.

Les renseignements figurant sur ce document sont basés sur l'état actuel de nos connaissances relatives au produit concerné. Ils sont donnés de bonne foi. Les caractéristiques y figurant ne peuvent être en aucun cas considérées comme spécifications de vente. L'attention des utilisateurs est en outre attirée sur les risques éventuellement encourus lorsqu'un produit est utilisé à d'autres usages que ceux pour lequel il est conçu. Parallèlement, le client s'engage à accepter nos conditions générales de marché de fournitures dans leur totalité, et plus particulièrement la garantie et clause limitative et exonératoire de Responsabilité. Ce document correspond à des secrets commerciaux et industriels qui sont la propriété de Tec Industries Service et, constituant un élément valorisé de son actif, ne saurait être communiqué à des tiers en vertu de la loi du 11 juillet 1979.