

iBiotec®

**MANUFACTURER OF TECHNICAL AEROSOLS AND PRODUCTS FOR INDUSTRY
PROCESSES - MRO - MAINTENANCE
ALTERNATIVE SOLVENTS 100% SAFE**

Datasheet - Last update: 2025-02-21

iBiotec® NEUTRALÈNE® 1079

CLEANING SOLVENT

Special solvent for inks, resins,

Paints, varnishes and similar, uncured

NOT CLASSIFIED FLAMMABLE ICPE

Easily and quickly BIODEGRADABLE

ODORLESS SOLVENT

Odorless cleaning solvent, NSF A1, K1 approved,

MOSH-free, POSH-free, MOAH

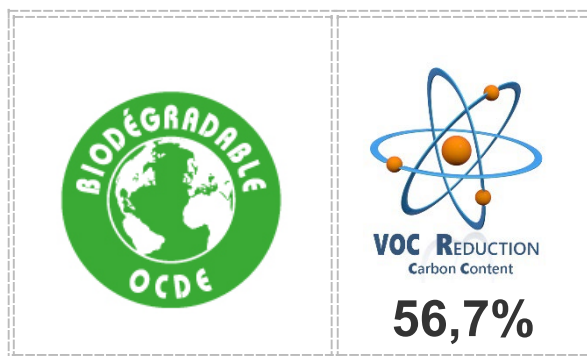
Removes greases, inks

Can be used on any machine or manually, pure or diluted in water



*Satisfies Commission Recommendation (EU) 2017/84
of 16 January 2017 on the monitoring of mineral oil hydrocarbons in food*

**Analys report available on request
21/009484 LC GC-FID DIN/EN 16995**



NO HAZARD PICTOGRAM

European Regulation CLP 1272/2008

SGH - GHS Regulations

CLEANING AND WASHING SOLVENT SPECIFICALLY FOR RESINS, INKS, ADHESIVES, GLUES, FRESH PAINT AND SIMILAR

Ternary solvent mixture.

Guaranteed free of hazardous, harmful, irritating, or sensitising substances.

**Non-flammable, usable cold or in hot baths,
up to 65°C and in an ultrasound tank in a 10 to 15 minutes cycle.**

Declassification of ATEX zones.

Very high solvent power KB index greater than 150.

Low steam pressure : 0.03 kPa

Usable pure, diluted in water, rinsable in water.

SMP optimisation

Solvent Management Plan

(IED Directive)

Solvent input/output material balance

Low volatility, reduction of consumption.

REDUCTION OF SOLVENT EMISSIONS

ODP 0

PRP 0

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

Freezing point -80°C. 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)**

DESCRIPTION

Azeotropic mixture Powerful solvent for all degreasing operations as well as hot or cold washing of machine parts. Especially recommended for eliminating inks, resins, traces of glues or adhesives.

APPLICATIONS

Rinsing of ink ducts in offset printing and flexography.

Soaking of spray nozzles for resins, primers, paints, foams, glues.

Soaking of brushes, spiked rollers, and tools for the application of polyester resins and gel coats.

Soaking and scrubbing of stainless steel coating or photo-engraving cylinders, or deflector rolls.

Cleaning of coating or printing machines using a cloth.

Cleaning of resin application machines and painting booths using a cloth.

Centrifugal washing of tanks and mixers for resins, monomers, and master mixtures.

Cleaning by spraying and brushing of manufacturing tanks and mixers.

Use on solvent parts cleaners, pure or diluted in water, according to the nature of the paints and resins.

NEUTRALÈNE® 1079 is particularly recommended for the cleaning of textile belts for silk screen printing, by scraping. Dissolves contact adhesives, resins that cure under UV, carboxy alkyl cellulose and nitrocellulose resins.

PHYSICO-CHEMICAL PROPERTIES

PROPERTIES	STANDARDS	VALUES	UNITS
Appearance	Visual	Fluid	-
Colour	Visual	Colourless	-
Smell	Olfactory	No smell	-
Density at 25°C	NF EN ISO 12185	0.951	kg/m ³
Refraction index	ISO 5661	1.4210	-
Freezing point	ISO 3016	-80	°C
Water solubility	-	100	%
Kinematic viscosity at 25°C	NF EN 3104	3.5	mm ² /s
Acid index	EN 14104	0	mg(KOH)/g
Iodine index	NF EN 14111	0	gl ₂ /100g
Water content	NF ISO 6296	<0.01	%
Residue after evaporation	NF T 30-084	0	%
Steam pressure at 20°C	NF EN 13016-1	0.3	hPa

PERFORMANCE PROPERTIES

PROPERTIES	STANDARDS	VALUES	UNITS
KB index	ASTM D 1133	> 150	-
Evaporation speed	n-butylacetate = 1 DEE = 1	0.030 350	Index
Surface tension at 20°C	ISO 6295	28.8	dyne/cm
Breakdown voltage	NF EN 60156/IEC 156	nm	Volts
Copper blade corrosion 100 h at 40°C	ISO 2160	1a	Measured value

FIRE SAFETY PROPERTIES

PROPERTIES	STANDARDS	VALUES	UNITS
Flashpoint (closed tank)	ISO 2719	85	°C
Self-combustion point	ASTM E 659	> 220	°C
Lower Explosive Limit	NF EN 1839	1	% (volume)
Upper Explosive Limit	NF EN 1839	14	% (volume)
Explosive, oxidising agent, flammable, highly or extremely flammable substance content	CLP Regulation	0	%

TOXICOLOGICAL PROPERTIES

PROPERTIES	STANDARDS	VALUES	UNITS
CMR, irritant and corrosive substance content	CLP Regulation	0	%
Residual methanol content from transesterification	GC-MS	0	%

Emissions of hazardous compounds, CMR, irritants, corrosive at 160°C	GC-MS	0	%
ENVIRONMENTAL PROPERTIES			
PROPERTIES	STANDARDS	VALUES	UNITS
Biodegradability	OECD 301 A OECD 301 C (MITI)	> 70 > 70	% %
Sulphur content	GC MS	0	%
Benzene content	ASTM D6229	0	%
Total halogen content	GC MS	0	%
Chlorinated solvent content	-	0	
Aromatic solvent content	-	0	
Environmentally-hazardous substance content	CLP Regulation	0	%
Content of compounds with GWP	-	0	%
Content of compounds with ODP	-	0	%
Carbon assessment, life cycles analysis.	ISO 14040	56.7 %	Kg carbon equivalent

PRESENTATIONS



INSTRUCTIONS FOR USE



Degreasing with rag



Degreasing with brush



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



*Solvent parts washers
from 50% in water*



*Ultrasound tank
from 0% in water*



*Hot or cold immersion tanks
from 50% in water*



Rotating or forward-travelling basket



*Spray washing machine
from 20% in water*

iBiotec® Tec Industries® Service
 Z.I La Massane - 13210 Saint-Rémy de Provence – France
 Tél. +33(0)4 90 92 74 70 – Fax. +33 (0)4 90 92 32 32
www.ibiotec.fr

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 lesquels 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.