Using ingredients derived from soybeans, corn, coconuts, safflower, sugar cane, etc.

E-CLEAN(PSW)

Plant-based solvent/cleaner to remove paint, ink, adhesives, etc.

Packaging	20L bulk, 200L drum

Features

- ○ *Does not contain substances that harm humans or the environment*
- ○ *Powerful solvency and releasing derived from plants*
- ○ *Not subject to Fire regulations, PRTR law, or hydrocarbon regulations*
- ○ *Low VOC, high solvency*

Merits

- ○ *Reduce the usage of hydrocarbons*
- ○ *Reduce waste with recycling*

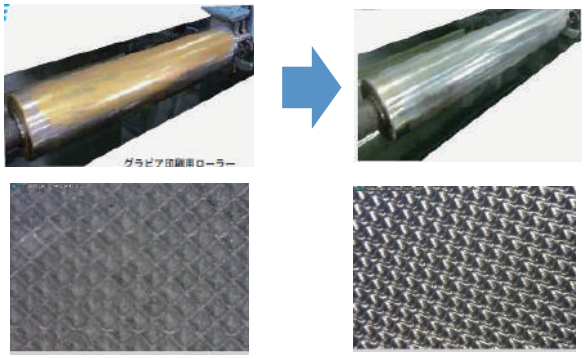
Cleaning examples

■Oil-based inks ■Adhesives used for film, etc.

Printing (gravure,etc.), Plates (ink, adhesive)

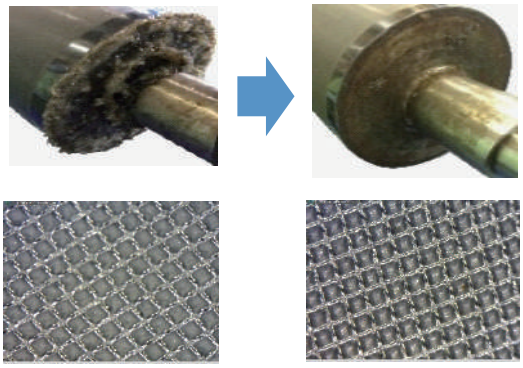
※the detailed photos in the second row show enlargement of the plates before and after washing

Oil-based ink



Until now, strenuous effort was required, but combining the high solvency liquid with ultrasonic cleaning, they effectively cleaned cylinders thickly covered in ink, etc.

Adhesive



Even roll coaters that are covered in years of stubborn adhesive were effectively cleaned using the high solvency liquid with ultrasonic cleaning.

Paint (uncured state, unbaked state)

Spray Guns（Nozzle）

Paint Lines

Way to use

1. Preheating fluid to 40-50C will increase effectiveness of soil removal
2. To be used at full strength
3. If you are thinking about purchasing, inquire for samples with which to test

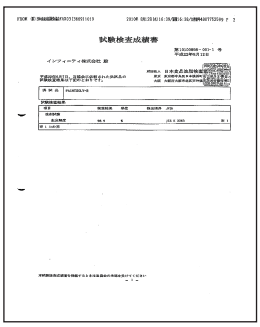
See reverse side also

Using ingredients derived from soybeans, corn, coconuts, safflower, sugar cane, etc.

E-CLEAN(PSW)

■ Product data and specifications

■Japan Association For Inspection/Investigation Of Foods Including Fats And Oils



Biodegredation test result:
98.9%(JIS K 3363)

■Properties

Nondangerous chemicals

Physical Properties	Fluid	Water soluble liquid
	pH	10±0.5
Laws and regulations	PRTR	not applicable
	Fire	not applicable
	Labor	not volatile
Safety	LD50 (oral)	3129mg/kg
	LD50 (Dermal)	5000mg/kg

■Heavy metal analysis

・metal、Polybrominated Biphenyl

Test	Units	Result	Protocol
Mercury	mg/L	<0.0005	S46-59
Cadmium	mg/L	<0.001	JIS.K0102.55.2
Lead	mg/L	<0.02	JIS.K0120.54.2
Chrome	mg/L	<0.04	JIS.K0120.65.1.4
Phosphorus	mg/L	N.D	μwave ICP-AES
Nitrogen	mass%	1.28	JIS.K0120.45.2
Polybrominated Biphenyl	ppm	N.D	GC/MS
Polybrominated diphenyl ether	ppm	N.D	GC/MS

This product is not subject to the European REACH regulation (We can provide detailed data in English).

Examples of soils to remove		
Inks	water-based	oil-based
	co-reactant	ultra-violet curing
Paints	water-based	oil-based
	ultra-violet curing	acrylic urethane
	powder paints	epoxy
Adhesives	acrylic	urethane
	epoxy	

■Impact of various materials, immersion test

・Metal, resin, rubber (impact from 5 week immersion test)

（1） Metal

Immersion test: iron, stainless, aluminum, copper, brass, etc.

Suitability Evaluation	Material	appearance of specimen after test
Can be used	Iron, stainless, aluminum, tin.	No noticeable changes
Can be used under certain conditions	Zinc electroplating	Coating agent disappears
Usage is somewhat doubtful	Copper, brass	A trace amount of copper falls out. Brass will turn black after 5 weeks

（2）Resins

Immersion test: MC nylon, acrylic, teflon, PVC hardened resins, etc.

Suitability Evaluation	Material	appearance of specimen after test
Can be used	MC nylon, teflon, PVC, polyethelene, polypropylene, 6nylon, epoxy glass polyethylene, phenol, POM	No noticeable changes
Can be used under certain conditions	Polycarbonate	It contracts by about 1.2%
Usage is somewhat doubtful	ABS, polyester glass, acrylic	Dissolves. Cracks form

（3）Rubber

Immersion test: NR, NBR, SBR, Urethane rubber, etc.

Suitability Evaluation	Material	appearance of specimen after test
Can be used	SBR, Butyl rubber, EPDM	No noticeable changes
Can be used under certain conditions	NR, NBR	After 5 weeks 20% dissolved but after one week still o.k. (estimated from mass change)
Usage is somewhat doubtful	Urethane rubber, fluoronated rubber	Swollen strikingly in 1 week

※「Usable」means that the liquid does not affect the materials
「Unusable」means that the liquid does indeed affect the materials
※If your material is not listed above, please test on inconspicuous area beforehand

■Depending on unavoidable reasons, the specifications of the product, unit price, etc. may change without notice

■Images in this pamphlet may differ slightly from actual user experiences.

■If you require SDS, please ask.

■Please read instructions thoroughly before use.

INFINITY

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