

# WAVE LIQUID SP-18



**Ideal for cleaning stains caused by molding plastic resin containing glass filler!  
The definitive all-purpose cleaning liquid for mold cleaning**

■ **Resin coating of metal injection**

■ **Mold deposits(MD)**

Polyacetal(POM) / Polycarbonate / Elastomer

■ **Gas stains** ■ **Oil stains** ■ **Rust**

All stains can be treated with one liquid cleaning product, including tough stains caused by molding plastic resin containing glass or other additives, gas stains, mold deposits (MD), oil stains and rust stains. Effectiveness has been proven for various materials such as PPS, PBT, POM, ABS and Nylon 66.

Dilution: Use undiluted  
Appearance: Yellow liquid  
pH: 14 (typical value)  
Packaging: 18 liters  
(UN approved can)

## Examples of cleaning with WAVECLEAN U600 Type1 · Type2

Materials for molding	Liquid temp	Cleaning time	Metal of mold	Resin coating	Gas stains	Oil stains	Rust	Paint and dye	Baking	Mold release	Outline (Size:mm)
PA12	70°C	30min.	STAVAX	●	●						gear(φ5)
PPS+GF40%	70°C	30min.	STAVAX	●	●						Electronic parts socket(10□)
ABS+Nitrile rubber	70°C	20min.	SKD61	●	●						Interior parts(280×180)
PBT+GF50%	70°C	40min.	STAVAX	●	●						Connector(5×5)
POM+dye	65°C	30min.	STAVAX	●	●			●			Electronic parts(φ60)
Urea resin+dye	70°C	45min.	STAVAX	●	●			●			Connector(15×15)
Tenac™	65°C	30min.	STAVAX	●	●	●	●				Mechanical parts(10×10)
Zylon®	70°C	10min.	SKD11	●	●	●	●				Machinery parts(100×70)
POM	70°C	25min.	SKD11+Hard chrome plating	●	●						Switch(5□)
PA66	65°C	10min.	NAK80+Titanium plated	●	●						Machinery parts(12×7)
POM	65°C	15min.	S-Star	●	●	●					Machinery parts(60×20)
PP	60°C	15min.	NAK80		●	●	●				Machinery parts(120×40)
NBR rubber	70°C	60min.	NAK55+Hard chrome plating		●				●		Rubber seal(200×200)
NBR rubber	70°C	20min.	NAK80		●					●	Gasket(50×50)
EPDM	70°C	20min.	STAVAX		●	●		●			Rubber seal(40×40)
Urethane	65°C	20min.	S45C						●		Mechanical parts(φ30)
Brass die casting	70°C	90min.	MDC-K(SKD8 modified)						●	●	Electrical parts(φ60)
Zinc die casting	70°C	30min.	SKD61						●	●	Electrical machine parts(30×40)
Aluminum extrusion	70°C	20min.	SK Material						●	●	Construction parts(50×1,000)
Aluminum die cast	70°C	60min.	SKD61						●	●	Mechanical parts(φ180)
Metal press (SUS)	50°C	20min.	SKD11			●	●		●		Electric equipment parts(φ7)
Metal press (Iron)	60°C	10min.	SKD11						●		Electrical parts(5×15)

※GF=Glass filler

For aluminum

# WAVE LIQUID EN-18



**For cleaning gas stains, oil stains and rust on aluminum molds**

■ **Phosphorus-free and neutral type**

Use this for cleaning where alkaline detergents cannot be used.

■ **Gas stains** ■ **Oil stains** ■ **Rust**

Stains on molds containing aluminum can now be cleaned in a mold cleaning machine. There is no need for time-consuming manual work. Maintain molds efficiently.

This is not subject to regulations, such as the Ordinance on Prevention of Organic Solvent Poisoning, Poisonous and Deleterious Substances Control Act, Fire Service Act, and Industrial Safety Act.

Dilution: Undiluted to 10x dilution  
Appearance: Milky white liquid  
pH: 7.0  
(undiluted, typical value)  
Packaging: 5 liters (polyethylene can)  
20 liters (BIB)  
※Use pure or purified water for dilution.

## Examples of cleaning with WAVECLEAN U600 Type2

Materials for molding	Liquid temp /Dilution	Cleaning time	Metal of mold	Resin coating	Gas stains	Oil stains	Rust	Paint and dye	Baking	Mold release	Outline (Size:mm)
PET	65°C/10x	30min.	Aluminum A7075 series		●	●					Container parts(φ80)
ABS+Additive	65°C/10x	20min.	S50C		●	●	●				Mold parts(20□)
ABS+Additive	65°C/10x	20min.	Aluminum A5052		●	●					Mold parts(20□)
PS	70°C/10x	20min.	Aluminum A5052								Mold parts(80×10)
—	60°C/10x	50min.	Aluminum + Stainless steel			●					Mechanical parts(30×15)

For general resin

# WAVE LIQUID K-18



**Dilution available!**

**Cleaning liquid with high cost performance**

- Mold deposits (MD)  
PP / ABS / Polyacetal (POM)
- Gas stains ■ Oil stains

The cleaning liquid can be diluted according to the degree of soiling, and the amount of liquid used can, therefore, be adjusted. By using undiluted liquid for heavy soiling and diluted liquid for light soiling, the amount of liquid used can be reduced.

Dilution: Undiluted to 5x dilution  
Appearance: Blue liquid  
pH: 14 (undiluted, typical value)  
Packaging: 18 liters  
(UN approved can)  
※Use pure or purified water for dilution.

## Examples of cleaning with WAVECLEAN U600 Type2

Materials for molding	Liquid temp /Dilution	Cleaning time	Metal of mold	Resin coating	Gas stains	Oil stains	Rust	Paint and dye	Baking	Mold release	Outline (Size:mm)
PE	65°C/5x	30min.	NAK80		●	●					Container parts(φ80)
PS	65°C/5x	30min.	S50C		●	●	●				Enclosure parts(100×50)
ABS	70°C/5x	45min.	S50C	●	●	●	●				Tray(250×200)
POM	70°C/5x	50min.	S55C	●	●	●	●				Mechanical parts(40×30)
POM	65°C/Undiluted	30min.	NAK80		●	●					Interior part(40×25)

For electroless nickel plating and super mirror surfaces

# WAVE LIQUID N-18



**Ability to clean without damaging electroless nickel plating**

- Mold deposits (MD)  
Polyacetal (POM)
- Gas stains ■ Oil stains

WAVELIQUID N-18 was developed exclusively for mirror surface molds and allows cleaning without damaging electroless nickel plating. There is no need to polish the molds every time they become soiled.

Dilution: Undiluted  
Appearance: Clear and colorless liquid  
pH: 18 (undiluted, typical value)  
Packaging: 18 liters  
(UN approved can)

## Examples of cleaning with WAVECLEAN U600 PLUS

Materials for molding	Liquid temp	Cleaning time	Metal of mold	Resin coating	Gas stains	Oil stains	Rust	Paint and dye	Baking	Mold release	Outline (Size:mm)
PP	50°C	15min.	STAVAX+ENP		●	●					Display parts(250×160)
PC	40°C	20min.	STAVAX+ENP		●	●					Optical parts(150×80)
Acrylic resin	50°C	10min.	SUS420J2系+ENP		●	●					Optical parts(φ10)
Not disclosed	40°C	10min.	STAVAX+ENP		●	●					Optical parts(200×200)
Not disclosed	40°C	15min.	SUS420J2系+ENP		●	●					Exterior parts(50×80)

※GF=Electroless nickel plating

Spray type cleaning liquid

# WAVE LIQUID AC-18



**For stains on large molds and aluminum/copper parts that are difficult to place in a cleaning machine**

- Mold deposits (MD)
- Gas stains ■ Oil stains

Gas stains are easily removed by simply spraying and wiping with a cloth. This is a neutral cleaning liquid with a pH of 7 and will not damage aluminum or copper molds. Large molds can be cleaned without the need for disassembly. Rinsing with water after cleaning is not necessary.

Dilution: Undiluted  
Appearance: Clear and colorless liquid  
pH: 7 (undiluted, typical value)  
Packaging: 18 liters  
(UN approved can)