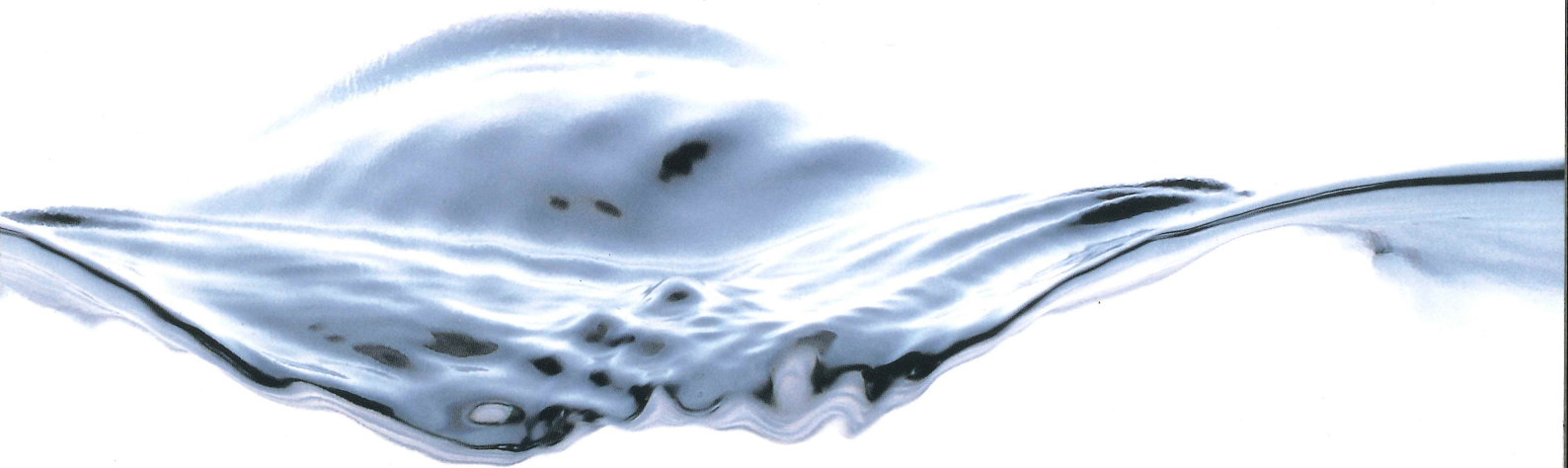


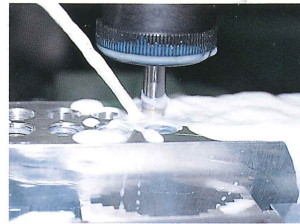
# CATALOGUE

.....  
water coolant fluids for cutting and grinding CHEMICOOL  
chemical products for EDM CHEMIFLASH & CHEMI Q  
sprays and other chemical products



# Water coolant fluids CHEMICOOOL

Chemicoool makes its content in perfection by feeding back new technical data and used data.  
It improves user's work efficiency and cost merits as well as it prevents troubles.



## Emulsion

Product name	JIS	LOOKS (undiluted/diluted)	Characteristics	Purpose	Applied work piece				
					Fe	Fc	SUS	Al	Cu
EE	A1-2	Brown Milky white	Applied to broad work pieces biostatic, non-chloric	Cutting	◎	◎	◎	◎	○
EA	A1-2	Brown Milky white	Applied to A 7000's, and hard water biostatic, non-chloric	Cutting	◎	○	◎	◎	○
M-385	A1-2	Brown Milky white	Applied to magnesium alloys biostatic, non-chloric	Cutting	○	○	○	◎	○
KP2	—	Brown Milky white	Applied to broad work pieces biostatic, chloric	Cutting	◎	◎	◎	◎	○
K20	—	Brown Milky white	Micro emulsion type biostatic, chloric	Cutting	◎	◎	◎	○	○
E-215	A1-1	Brown Milky white	Low cost type, but satisfactory ability E-215K for high pressure biostatic, non-chloric	Cutting	◎	○	○	○	○

## Soluble

Product name	JIS	LOOKS (undiluted/diluted)	Characteristics	Purpose	Applied work piece				
					Fe	Fc	SUS	Al	Cu
X87	A2-2	Green Transparent green	Continue new condition biostatic, synthetic	Cutting Grinding	◎	◎	○	○	○
X89	A2-2	Green Transparent green	X87's lubricated type biostatic, synthetic	Cutting Grinding	◎	◎	◎	○	○
X90	A2-2	Light yellow Semitransparent	The best synthetic type biostatic, synthetic	Cutting Grinding	◎	◎	◎	◎	○
SF	A2-1	Transparent	Applied to NC lathe synthetic	Cutting	◎	○	○	○	○
S-56	A2-2	Light brown Semitransparent	Applied to broad work pieces Stable in every respect biostatic	Cutting	◎	◎	◎	○	○
S-60	A2-2	Light brown Semitransparent	Superior cutting ability, strong anti-rust synthetic	Cutting	◎	◎	◎	○	○
SR-1	—	Green Light green	Not sticky, ability of rinsing and anti-rust	Cutting Grinding	◎	◎	○	×	○
SR-5	A2-2	Green Light green	Same type of SR-1, and applied to broader work piece	Cutting Grinding	◎	◎	○	○	○
SP	A2-1	Green Light green	Low cost type of SR-1, almost same ability	Cutting Grinding	◎	○	○	×	○
SS	A2-1	Green Light green	Mainly for band saw use, and NC lathe also applied to drilling machine	Cutting	◎	○	○	×	○
DS185	A2-2	Light brown Transparent	Strong oil film, smooth cutting	Cutting	◎	○	◎	◎	○
Z	A2-2	Brown Light brown	Superior in micro-grinding ability	Cutting Grinding	◎	○	◎	◎	○
LS	—	Light brown Transparent	Low cost, but applied to broad work piece	Cutting	◎	○	○	○	○

## Chemical solution

Product name	JIS	LOOKS (undiluted/diluted)	Characteristics	Purpose	Applied work piece				
					Fe	Fc	SUS	Al	Cu
X85	A2-2	Green Light green	Applied to broad work pieces biostatic	Grinding	◎	◎	◎	◎	○
J5	A3-1	Light yellow Transparent	Not bubbly and applied to broad work pieces	Grinding	◎	◎	◎	○	○
C-798S	A3-2	Light yellow Transparent	Strong grinding and finishes in precision biostatic	Grinding	◎	◎	◎	○	○
CS-0	A3-1	Light yellow Transparent	High rinsing ability, applied to hard materials	Grinding	◎	○	○	△	○
CF	—	Green Light green	Especially suitable for FC materials	Grinding	◎	◎	○	×	○
CK	—	Green Light green	Not bubbly, applied to magnetic materials	Grinding	◎	○	△	×	○
TF	—	Light brown Transparent	Strong anti-rust, not bubbly	Grinding	◎	○	△	×	○
LC	—	Light brown Transparent	Low cost, but has ability of anti-rust and not bubbly	Grinding	◎	○	△	×	○

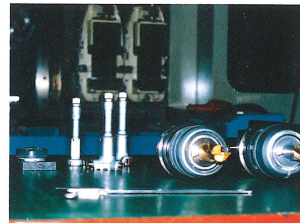
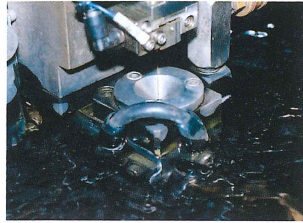
※All soluble and chemical solution types are non-chloric.

NET 200, 2000



# CHEMIC's EDM items

Chemic's chemical products are suitable for EDM users.  
These products keep the good condition of EDM, as well as their work pieces in use.



## ● Anti rust agent for wirecut spark erosion



### ● Chemiflash WE

#### Features:

- Excellent anti-rust effects continue a long date
- Will not change the specific resistance when added WE
- Less sticky, so will not be stopped filter with sludge, and wastes less ion-exchange resin

#### How to use:

1. Regulate specific resistance of circutable water with ion-exchange resin.
2. Add 0.5%WE in the above-stated water, and regulate specific resistance again.  
Replenishment is 0.3%WE.
3. Exchange the working fluid at 1~2months.

## ● Working fluids for small-hole drilling machine

- Features:
- Cool down electric discharge pole and sludges
  - Wash out sludges smoothly
  - Waste less electrode and not inflammable

### ● Chemiflash 02



#### How to use:

1. Add 20% of chemiflash 02 in water.
2. Exchange the working fluid regularly.

### ● Chemiflash 03



#### How to use:

1. Add 5% of chemiflash 03 in water.
2. Exchange the working fluid regularly.

### ● Chemiflash 02D



#### How to use:

1. Pour the working fluid in a tank.(diluted)
2. Exchange the working fluid regularly.

## ● Maintenance & Cleaning sprays

### ● Sludge & rust remover spray

#### Features:

- Take out sludge & rust of wire EDM
- Neutral PH, so that no rust after work and no irritation
- Water soluble, so clean it by water

#### How to use:

1. Spray directly to parts with sludges or rusts.
2. After 1 to 2 mins, wipe out or wash out with water.
3. Use brush or take time depending on sludge or rust.



### ● Dry & clean spray

#### Features:

- Take out oil film spontaneously
- Not sticky
- Dry out quickly
- No remnant after use, and not much smell

#### How to use:

1. Spray directly to parts with oil film, sludges.
2. After 1 to 2 mins, wipe out or wash out with water.



### ● Varnish remover spray

#### Features:

- Strong dissolubility
- Not sticky
- Almost no smell

#### How to use:

1. Spray directly to parts with varnish, paints, etc.
2. After 1 min, wipe out these parts.



## ● Cleaning and rust removing solution

### ● Chemi Q 124

(Cleaning and rust removing solution for work materials)

#### Features:

- Remove rust without attacking the surface of work-pieces
- Strong acid, but does not create gas or does not gather rust
- Effective on iron, aluminium, copper alloys

#### How to use:

1. Use undiluted, but use diluted on light rust or on non-ferrous metal.
2. After dipping, use AQUAGIL B-3. After wiping, clean it by water.  
Use Chemi-through, after taking out water.



### ● Chemi Q C2500

(Cleaning and rust removing solution for machinery maintenance)

#### Features:

- Rust and corrosion of iron alloys are washed away
- Necessary for EDM maintenance

#### How to use:

1. Use waste cloth, and wipe out carbon sludges or rust.
2. Finish it by wiping with dry waste cloth.



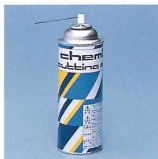
# Other chemical products

## Sprays & Pastes



### Chemilon tapping spray

tapping & reaming  
**Features:**  
 Prevents overheating & wearing out of tools



### Chemilon cutting spray

milling, balling & lathe  
**Features:**  
 Even high speed cutting, no rusts or coloring



### Aquagil spray

anti-rust, infiltration, lubrication, water exchange  
**Features:**  
 Anti-rust & maintenance of machinery



### Aquagil spray Chemi-through infiltration, lubrication, anti-rust

**Features:**  
 Almost no smell



### Chemilon tap GE

tapping & reaming  
**Features:**  
 Used for hard materials, small diameter tapping & reaming



### Chemilon tap paste

tapping & reaming  
**Features:**  
 Outstanding cutting ability  
 nice fragrance

## AQUAGIL



### Aquagil B3

dewatering rust-proof oil  
**Features:**  
 Dewatering, superior rinsing  
 recommended for use of  
 1week rust-proof



### Aquagil B3-1

dewatering rust-proof oil  
**Features:**  
 Mild odor type of B3



### Aquagil B5

dewatering rust-proof oil  
**Features:**  
 Recommended for use of  
 3~6 months rust proof

## Additive agents



### Chemi Q S-100

Use this, before changing  
 water soluble fluid in tank  
**Features:**  
 Strong antiseptic and rinsing  
 effect



### Antifreeze NF101

water soluble antifreeze



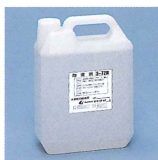
### Antibubble ST.81C

water soluble antibubble



### Antiseptic DBC-120

water soluble antiseptic  
**Features:**  
 Recommended for the use  
 against bacterium



### Antiseptic S72N

water soluble antiseptic  
**Features:**  
 Recommended for the use  
 against bacterium and mold



### Antirust additives (A-100, AL-100, RP-C101)

**Features:**  
 A-100: for iron alloys pieces  
 AL-100: for aluminum pieces  
 RP-C101: for copper alloy  
 pieces

Agent



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