



Corrosion Inhibitor

Model: CP-50 (50% solid content); CP-65 (65% solid content)

Chemical name: 2,4,6,- Tri-(6-aminocaproic acid)-1,3,5-triazine

Other Names: Triazine carboxylic acid; 6,6',6''-(1,3,5-Triazine-2,4,6-triyltriimino)trihexanoic acid; tribasic acid ;triazinetircarboxylic acid corrosion inhibitor; Corrosion Inhibitor Tribasic Acid; Tribasic Carboxylic Acid; 6,6',6''-(1,3,5-triazine-2,4,6-triyltr; Tricarboxylic Acid Corrosion Inhibitor; IRGACOR L 190.

CAS No.: 80584-91-4

MF: C21H36N6O6

EINECS No.: 279-505-5

Solid content: 50% and 65%.

Usage: Corrosion inhibitor additives

Description

2,4,6,-Tri-(6-aminocaproic acid)-1,3,5-triazine is widely used as water soluble corrosion inhibitor for water based cooling lubes, such as metalworking fluids, engine coolants, solar fluids, water treatment, cleaning agents etc.

Industrial Biocides

Model: BK

Product Description

Chemical name: 1,3,5-TRI-(2-HYDROXYETHYL)-HEXAHYDRO-1,3,5-TRIAZINE

CAS No.: 4719-04-4

Content: 76% ~ 78%

Use in Paper, Coating, Anti-corrosive, metalworking fluids

Application

Biocide BK is widely used in paper making industry, oil field, metal processing (cutting fluid, grinding fluid, rolling liquid), due to and electroplating industry and other industries.

Specification

Item	Specification
Purity	≥76.0-78.0%
Appearance	Clear, colorless to amber liquid

Viscosity (25°C ,g/ml)	1.13-1.18
PH	9.0-11.0

Model: MBM

Product description

Industrial Biocide MBM CAS No.5625-90-1 for Cutting Fluids

N,N'-Dimorpholinomethane

CAS No.: 5625-90-1

EINECS No.: 227-062-3

Molecular formula: C₉H₁₈N₂O₂

Molecular weight: 186.2514

Benefits

1. a low toxicity broad spectrum fungicide for water-based metalworking fluid
2. anti-Bacteria and fungi effectively
3. fully meet with the requirements of water-based metalworking fluid: low skin irritation, mild odor, low toxicity; formulation compatibility, lasting bactericidal. At higher concentrations, fungi and molds also have better inhibition.

Recommended addition amount (mass ratio): Recipe 2-5%, the working liquid 1-3%;

Specification

Item	Specifications
Purity	>92%
Appearance	Colorless liquid
Density	1.08-1.10g/cm ³
PH (1% water)	9.0-11.0
Solubility in Water	completely

Model: MOB

CAS 66204-44-2

Characteristics: Quick and last long

Color: Colorless/Light yellow

Shape: Liquid

Air & Water Reactions: Water

PH: 6~12

Usage: Kill for bacteria, fungi, yeast.

Description

It is a chemical product of zolpidem, a new generation of broad-spectrum low-toxicity fungicides.

It takes into account the rapidity of the piperazine fungicide and the persistence of the morpholine fungicide, which is a highly balanced formula and added fungicide on site.

Model: BBIT-20

CAS No.: 4299-07-4

Other Names: 2-n-Butyl-1,2-benzisothiazolin-3-on

MF: C₁₁H₁₃NOS

Purity: 20%

Application: Antibacterial fungicide

Appearance: Orange liquid

Density: 1.16-1.68

Boiling point: 170~175°C

solubility: (20°C) ≤1mg/L

Model: WSP

Chemical name: alpha,alpha',alpha"-Trimethyl-1,3,5-triazine-1,3,5(2H,4H,6H)-triethanol

CAS No.:25254-50-6

Liquid preparation based on reaction products of paraformaldehyde with

2-hydroxypropylamine (ratio 1:1) [HPT] and Pyridine-2-thiol-1-oxide, sodium salt (NaPy)

Broad, balanced spectrum of effect against bacteria (incl. sulphate-reducing bacteria), yeasts and moulds. Good anticorrosion properties. Free of nitrate, nitrosing agents or organically bound chlorine.

Model: CMT-14

Product Description

Classification: Chemical Auxiliary Agent

CAS No.: 26172-55-4

Other Names: Isothiazolinones

MF: C₄H₄CINOS

EINECS No.:247-500-7

Purity:14%

Type:Bactericide

Usage:Water Treatment Chemicals

Product name:14.0% Isothiazolinones

Synonyms: 5-Chloro-2-methyl-4-isothiazolin-3-one, 2-Methyl-4-Isothiazolin-3-one

Cas:26172-55-4, 2682-20-4

MW:149.6

Appearance: Light yellow transparent liquid

Model: IPBC30

CAS No.: 55406-53-6

MF: C8H12INO2

EINECS No.: 259-627-5

Manufacturer IPBC,3-Iodo-2-PropynylButylCarbamate,55406-53-6

Description

IPBC is a broad spectrum fungicide used in architectural coatings and construction application(paints, stains, adhesives, caulks and sealants), textiles, as well as plastic product applications to prevent dry film fungal growth. It is also very effective additives for controlling fungal growth in aqueous-based fluids such as inks and metalworking fluids.

IPBC is an effective wood preservative for surface treatment required for preventing fungiduring distribution.

Model: BIT-20

CAS No.: 2634-33-5

Other Names: BIT20

MF: C7H5NOS

EINECS No.: 220-120-9

Purity: 20%

Application: industrial biocide

Appearance: light yellow liquid

Solubility in Water: completely

Product Description

1,2-Benzisothiazolin-3-one BIT20

CAS No.: 2634-33-5

BIT 20 is Suitable for applications in the water-based polymer, leather, paint, textile, printing and dyeing, metal cutting fluids, adhesives, inks, dyes, dye dispersions industries to resist corrosion Performance characteristics.

Specifications

Item	Specifications
Appearance	light yellow liquid
Content, %	>20 %
PH value(10% in water)	9~12
Solubility in Water	completely

Aluminum corrosion inhibitor

Model: AC-2

Phosphate, free of metasilicate.

Application: Used as an aluminum corrosion inhibitor in metal working fluids, it can effectively solve or greatly reduce the problem of aluminum alloy discoloration.

Model: AC-3S

Siloxane ketone

Application

Metal working fluid, water - based cleaning agent.This product is used in all kinds of water environment, it can be added in concentrate or used in site treatment.

Model: AC-5S

Siloxane ketone

Application

This product is used in a variety of water environment, including antifreeze, metal processing liquid, cleaning agent.

Model: OT-11

Chemical name: Tall oil, diethanolamine condensate

CAS NO.: 68153-57-1

MF:C4H11NO2.W99

Application: It is mainly used as rust inhibitor in emulsion and semi-synthetic metal working fluids. It also has certain lubricity and emulsification. The amount of OT11 added depends on the type and content of emulsifier and other components used.

It has the advantage of low foaming

Deformer

Model: DF-601

It is water dispersible silicone defoaming agent. It is made of polyether modified silicon with high molecular properties as the main raw material. It is a foam control defoamer specially developed for metal processing liquid concentrate.

Features and advantages

- *Can break foam rapidly and restrain foam forming effectively.
- *It has good compatibility and stability in formula and good dispersion in water.
- *The quantity is small and does not affect the basic properties of the foaming system.
- *No toxicity, no harm to physiology.

Tech Data

Item	Specifications
Appearance	White emulsion
pH	7-9
Suitable diluent	Water

Application:

It is mainly used for metal working liquid system.

Validity

Six month

Model: DF-603

It is water dispersing silicone defoaming agent made of polyether modified silicon with high molecular properties as the main raw material. It is a foam control defoamer specially developed for metal concentrate. The ability of foam elimination and inhibition is better. It has strong universality, and can keep good defoaming and anti-foaming ability under high temperature and high shear force.

Features and advantages

- *Can break foam rapidly and restrain foam forming effectively.
- *It has good compatibility and stability in formula and good dispersion in water.
- *Less dosage and does not affect the basic properties of the foaming system.
- *No toxicity, no harm to physiology.

Tech Data

Item	Specifications
Appearance	White emulsion
pH	7-8.5
Suitable diluent	Water

Application:

It is mainly used for metal working liquid system.

Validity

Six month

Emulgator

Model: ME1000

It is a derivative of succinic anhydride. It is an ideal substitute for sodium petroleum sulfonate. It is mainly used as the main emulsifier or auxiliary emulsifier in the formula of emulsified oil or semi-synthetic liquid. It can also be used in combination with sodium petroleum sulfonate or other high HLB non-ionic surfactants to achieve good water resistance and emulsion stability. The m 1000 also provides a degree of coupling that helps stabilize the concentrate.

Tech Data

Item	Specifications
Appearance	Brown - red viscous liquid



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Specific gravity(20°C)	0.9—0.99
Acid (mg/g)	72—88

Features

Good cleanliness. No sulfur, reducing bacterial growth.

Lubricant

Model: ML-4

Description

ML-4 is a ricinoleic acid polyester used as a lubricating additive in microemulsions and semi-synthetic metalworking fluids.It has a certain self-emulsification.

Advantage:

Less emulsifier required for emulsification, which enables low foaming of products and high overall product performance.

Model: ML-955

Benefits: Lubrication, emulsification, hard water stability.

Description

A multifunctional functional group self-emulsifiable ester suitable for full and semi-synthetic metalworking fluids.

Normal add3-10%.

Model: ML-25

ML-25 polymer ester is a high molecular weight polymer ester lubricant.Chlorine or sulfur extreme pressure additives may be completely or partially replaced in industrial oils or metalworking fluids.The product is an ideal substitute for lubricants and chlorinated paraffins.

Features

*No phosphorus, sulfur, chlorine, can reduce the growth of bacteria.

*It has good biological stability, and the isomeric structure in the molecule makes it have antibacterial effect, thus reducing the amount of bactericide.

*ML-25 polyester has excellent thermal, oxidative and hydrolytic stability and resistance to hard water, which can maintain emulsion stability for a long time, reduce tool wear and cutting fluid volatilization loss, and guarantee the long-term operation of the system.

Others

Model: CJ-10

CJ-10 sinking agent, it is mainly used in the synthetic cutting fluid to improve the anti-oil performance of cutting fluid, improve the chip sedimentation, and have both bactericidal, defoaming and other properties. Its chemical composition is: quaternary amine type cationic surfactant. It is not recommended for emulsions and semi-synthetic cutting fluids because of its incompatibility with anionic surfactants.

Tech Data

Item	Specifications
Appearance	Yellow to light yellow transparent liquid
pH(5% sol in water)	6-8
Solubility	Soluble in water
	Not soluble in oil

Direction For Use

The CJ-10 in the concentrate of the metal processing fluid: 0.1-1%

Model: OH-17

OH-17 coupling agent specially used for the synthesis of cutting fluid odor extremely low polyether coupling agent, it can help and improve the compatibility of polyether in the formula, make the formula more transparent and stable. Because of its extremely low odor, it can provide a good production and use environment in the process of production and use. At the same time, oh-17 also has excellent rust resistance, which can reduce the amount of rust inhibitor in the formula. It can also be used as water-soluble anti-rust agent in the formulation of synthetic cutting fluid and cleaning agent.

Oh-17 coupling agent has good resistance to hard water and low foam, and has good compatibility with water-soluble rust inhibitor and settling agent commonly used in all synthetic metal processing fluids.

Recommended usage: 1-5%.

Model: DB-1

DB-1 borate is a kind of water - borne anti - rust agent mainly used in ferrous metal processing. At the same time with high viscosity, no odor, low bubble and other characteristics. Good water solubility, can be mixed with water in any proportion. Moreover, it has good biological stability and certain antibacterial activity.

Tech Data

Item	Specifications
Appearance	Transparent viscous liquid
pH(1:100)	9.6 DIN 51 369
Specific gravity(20°C)	1.18 DIN 51 757
Solubility	Soluble in water

Instructions

Can be used in full synthetic, semi-synthetic, emulsion oil, cleaning agent.