

SAFETY DATA SHEET

1. IDENTIFICATIONS

Product Name: Gel Type Water-Based LCD Cleaning Liquid

Identified uses: Cleaning Product

Date / revised: 2019/6/15

Company Identification:

Emergency Phone:

2. HAZARD(S) IDENTIFICATION

Colorless liquid. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label. No hazard in normal use. Keep out of the reach of children.

Appearance	Liquid
Color	Colorless
Odor	odorless

GHS Pictogram

No pictogram required.

GHS Classification

Physical and Chemical Hazards Not classified.

Human health Not classified.

Environment Not classified

Primary Routes of Exposure

Ingestion

No specific health warnings noted.

Skin Contact

No specific health warnings noted.

Eye Contact

No specific health warnings noted.

Health Warnings No specific health warnings noted. No specific acute or chronic health impact noted, but this chemical may still have adverse impact on human health, either in general or on certain individuals with pre-existing or latent health problems.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition Name	Content(%)	CAS No.
C11-15-secondary ethoxylated alcohol, Polymer <u>GHS Classification</u> <u>Not classified</u>	< 1%	068131-40-8
C10-30 Alkyl Acrylate Crosspolymer <u>GHS Classification</u> <u>Not classified</u>	< 5%	Trade name: CARBOPOL® <u>Confidential from</u> Lubrizol Tel: (440) 943-4200
1,2-Benzisothiazol-3(2H)-one <u>GHS Classification</u> Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 See Section 16 for the full text of the H statements declared above.	< 0.1%	2634-33-5
DI Water	> 95%	—

4. FIRST AID MEASURES

Skin contact

On skin contact wash off with water. If skin reactions occur, contact a physician.

Eye contact

Open the eyelids and rinse for an adequate length of time with water. Consult an eye specialist immediately.

Swallow

The mouth should be rinsed out several times. If the patient feels unwell, seek medical advice.

5. FIRE FIGHTING MEASURES

Flash Point Not applicable.

Extinguishing Media

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

Hazardous combustion products

None under normal conditions.

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

Special Fire Fighting Procedures

No specific fire fighting procedure given.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Wear protective clothing as described in Section 8 of this material safety data sheet.

Environmental Precautions

Do not discharge onto the ground or into water courses.

Spill Clean Up Methods

Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area.

7. Handling AND STORAGE

Handling

Avoid spilling, skin and eye contact.

Storage

Store in tightly closed original container in a cool, dry, dark and well-ventilated place.

VCI storage class: 12

Storage period 24 months.

8. Exposure controls/Personal protection

Ingredient Comments

No exposure limits noted for ingredient(s).

Process Conditions

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station.

Engineering Measures

No particular ventilation requirements.

Hand Protection

Use suitable protective gloves if risk of skin contact.

Eye Protection

If risk of splashing, wear safety goggles or face shield.

Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene Measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. When using do not eat, drink or smoke.

9. Physical and chemical properties

Flash Point	Not applicable(not flammable liquid)
Appearance	Liquid
Color	Colorless
Odor	odorless
pH value	6~8
Boiling Point	100 °C
Density	1.02 g/cm ³

10. Stability and reactivity

Reactivity

No specific reactivity hazards associated with this product.

Stability

Stable under normal temperature condition.

Thermal decomposition

No thermal decomposition when stored and handled correctly.

Hazardous decomposition products

No hazardous decomposition products when stored and handled correctly.

Hazardous reactions

No hazardous reaction when used as directed.

11. Toxicological information

Other Health Effects

This substance has no evidence of carcinogenic properties.

Toxicological Information on Ingredients: 1,2-benzisothiazol-3(2H)-one

Oral LD50	Rat	1030 mg/kg
Dermal LD50	Rat	>5000 mg/kg

12. Ecological information

Ecotoxicity

Not regarded as dangerous for the environment.

Acute Fish Toxicity

Not considered toxic to fish.

Acute Toxicity - Fish

No information required.

Acute Toxicity - Aquatic Invertebrates

No information required.

Acute Toxicity - Aquatic Plants

No information required.

Acute Toxicity - Microorganisms

No information required.

Degradability

There are no data on the degradability of this product.

Bioaccumulative potential

No data available on bioaccumulation.

Mobility

The product is water soluble and may spread in water systems.

Other information

TOC value	2500 mg/kg
COD value	800 mg/kg

Ecological Information on Ingredients: 1,2-benzisothiazol-3(2H)-one

Acute EC50	Daphnia	3.7 mg/l	48 hours
Acute EC50	Algae	0.37 mg/l	72 hours

13. Disposal considerations

Disposal Methods

Dispose of waste and residues in accordance with local authority requirements.

14. Transport information

General The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, DOT).

Road Transport Notes Not classified

Rail Transport Notes Not classified.

Sea Transport Notes Not classified.

Air Transport Notes Not classified.

Transport Labels No transport warning sign required.

Environmentally Hazardous Substance/Marine Pollutant

No

15. Regulatory information

Regulatory Status

USA

All ingredients are in Compliance

Canada

All ingredients are in Compliance

EU

All ingredients are in Compliance

Australia

All ingredients are in Compliance

New Zealand

All ingredients are in Compliance

Philippines

All ingredients are in Compliance

Japan

All ingredients are in Compliance

Korea

All ingredients are in Compliance

China

All ingredients are listed or exempt.

Taiwan

All ingredients are listed or exempt.

16. Other information

HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)

HEALTH	0
FLAMMABILITY	0
Reactivity	0
PERSONAL PROTECTION	B

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

HEALTH	0
FIRE	0
Reactivity	0
SPECIAL	N/E

Full text of abbreviated H statements (SEC. 3 above)

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

Notice to reader

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.