

23958-1002

BETTER ULTIMATE CLEAR FAST,CEMEDINE Co., Ltd.,GUS1464-2,13/10/2017  
According to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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The first edition: 21/11/2016  
Date of issue: 13/10/2017

## Safety Data Sheet

### SECTION 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier:

Product name: BETTER ULTIMATE CLEAR FAST  
Product code(SDS NO): GUS1464-2

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against:

Recommended use(s): Adhesive

Restrictions on use: Uses other than those recommended.

#### 1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: CEMEDINE Co., Ltd.  
Address: Gate City Ohsaki East Tower 1-11-2 Osaki Shinagawa-ku , Tokyo-to  
Competent section: Environment Safety and Health Division  
Telephone number: 03-6421-7413  
FAX: 03-6421-7416

#### 1.4 Emergency telephone number: 03-6421-7413

### SECTION 2. Hazards identification

GHS classification and label elements of the product

#### 2.1 Classification of the substance or mixture

According to OSHA 29 CFR 1910.1200 HCS  
OSHA HCS 2012

Flammable liquids: Category 4

Skin Sensitizer Category 1

Eye Damage Category 1

#### 2.2.1 Label elements

Hazard pictogram(s)



Signal word : warning

Hazard statement(s)

H227 Combustible liquid

H318 Causes serious eye damage

H317 May cause an allergic skin reaction

#### PRECAUTIONARY STATEMENT

##### Prevention

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P280 Wear protective gloves and face protection.

##### Response

P370 + P378 In case of fire: Use appropriate media other than water for extinction.

P321 Specific treatment is required.

P310 Immediately call a POISON CENTER or doctor/physician.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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**Storage**

P403 Store in a well-ventilated place. P235 Keep cool.

**Disposal**

P501 Dispose of contents/container in accordance with local/national regulation.

**Physical and Chemical hazards**

Heating may cause fire.

**2.3 Other hazards**

None

**SECTION 3. Composition/information on ingredients****3.1 Substances**

Not applicable

**3.2 Substance/Mixture:**

Mixture

Chemical identity: Silyl-modified polymer base, elastic adhesive.

Hazardous ingredients present at above their cut-off/concentration limits:NONE

Component with no other hazards:

Chemical name	Content(%)	CAS No.
Alkoxysilane	1-5	Trade secret
Aminosilane	1-5	Trade secret
Epoxyxilane	0.1-1	Trade secret
Organic tin compound	0.1-<1	Trade secret

Note : The figures shown above are not the specifications of the product.

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

**SECTION 4. First-aid measures****4.1 Descriptions of first-aid measures****IF INHALED**

Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER or doctor/physician if you feel unwell.

**IF ON SKIN (or hair)**

Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice/attention.

**IF IN EYES**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

**IF SWALLOWED**

Rinse mouth.

Call a POISON CENTER or doctor/physician if you feel unwell.

**4.2 Most important symptoms and effects, both acute and delayed**

NONE

**4.3 Indication of any immediate medical attention and special treatment needed**

No special treatment needed. Treatment should be based on judgment of the doctor in response to symptoms of the patient.

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**SECTION 5. Fire-fighting measures****5.1 Extinguishing media**

Suitable extinguishing media

In case of fire, use foam, dry powder, CO<sub>2</sub>.

Unsuitable Extinguishing Media

None specified.

**5.2 Special hazards arising from the substance or mixture**

No data available.

**5.3 Advice for firefighters**

Specific fire-fighting measures

Evacuate non-essential personnel to safe area.

Special protective equipment and precautions for fire-fighters

Wear fire/flame resistant/retardant clothing.

**SECTION 6. Accidental release measures****6.1 Personnel precautions, protective equipment and emergency procedures**

Keep unauthorized personnel away.

Ventilate area after material pick up is complete.

Wear proper protective equipment.

keep away from someone's skin and keep from getting into eyes, put on the protections.

**SECTION 7. Handling and storage****7.1 Precautions for safe handling**

Safety Measures/Incompatibility

Wear protective gloves/protective clothing/eye protection/face protection.

**7.2 Conditions for safe storage, including any incompatibilities**

Recommendation for storage

Store in a well-ventilated place. Keep cool.

Store locked up.

STORAGE TEMPERATURE (min/Max): 5-35C

**SECTION 8. Exposure controls/personal protection****8.1 Control parameters**

Adopted value

(Organic tin compound)

ACGIH TWA: 0.1mg-organic Sn/m<sup>3</sup>

STEL: 0.2mg-Sn/m<sup>3</sup> (Eye & URT irr; headache; nausea; CNS & immune eff)

Notation

(Organic tin compound)

Skin

**8.2 Exposure controls**

Individual protection measures

Hand protection

Wear protective gloves.

Eye protection

Wear eye/face protection.

Skin and body protection

Wear protective clothing.

**SECTION 9. Physical and Chemical Properties****9.1 Information on basic physical and chemical properties**

Physical properties

Appearance: Paste

Color: Clear

Flash point: 75.1C

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**SECTION 10. Stability and Reactivity****10.1 Reactivity**

No data available.

**10.2 Chemical stability**

Stable under normal storage/handling conditions.

**10.3 Possibility of hazardous reactions**

No data available.

**10.4 Conditions to avoid**

No data available.

**10.5 Incompatible materials**

No data available.

**10.6 Hazardous Decomposition Product(s)**

No data available.

**SECTION 11. Toxicological Information****11.1 Information on toxicological effects**

No data are available for the product therefore available data for the components of the product (where available) are provided below.

**Acute toxicity**

OSHA HCS 2012 classification criteria not met.

Main component with available data:

LD50 > 2000 mg/kg bw (oral, female rat, fixed dose procedure).

LD50 > 2000 mg/kg bw (dermal, rat, standard acute method).

LC50 > 3 mg/L air (inhalation, 4 hours, rat, standard acute method).

**Skin corrosion/irritation**

OSHA HCS 2012 classification criteria not met.

Main component with available data:

Not irritating to rabbit skin.

**Serious eye damage/irritation**

OSHA HCS 2012 classification criteria met for Eye Damage Category 1.

Main component with available data:

Not irritating to rabbit eyes.

**Respiratory or skin sensitization**

OSHA HCS 2012 classification criteria met for Skin Sensitization Category 1.

Main component with available data:

Not sensitizing (mouse local lymph node assay).

**Germ cell mutagenicity**

OSHA HCS 2012 classification criteria not met.

Main component with available data:

Not mutagenic (Ames test, in vitro mammalian chromosome aberration test, mammalian cell gene mutation assay).

**Carcinogenicity**

OSHA HCS 2012 classification criteria not met.

Carbon black component:

IARC classification: possibly carcinogenic to humans (Group 2B) based on elevated incidence of lung cancer in rat inhalation studies with carbon black.

ACGIH listed as A3 Confirmed animal carcinogen with unknown relevance to humans: The agent is carcinogenic in experimental animals at a relatively high dose, by route(s) of administration, at site(s), of histological type(s), or by mechanism(s) that may not be relevant to worker exposure. Available epidemiologic studies do not confirm an increased risk of cancer in exposed humans. Available evidence does not suggest that the agent is likely to cause cancer in humans except under uncommon or unlikely routes or levels of exposure.

NOEL (carcinogenicity) = 10000 mg/kg diet (mice, 8 to 12 months dietary study). No evidence of a carcinogenic effect in mice.

**Reproductive toxicity**

OSHA HCS 2012 classification criteria not met.

Main component with available data:

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NOAEL (reproductive toxicity) = 1000 mg/kg bw/day (oral, rat, Combined Repeated Dose Toxicity Study with the Reproduction/ Developmental Toxicity Screening Test).

No treatment-related effects were observed on reproduction.

NOAEL (teratogenicity) > 1963 to 2188 mg/kg bw/d (oral, rat, Prenatal Developmental Toxicity Study).

STOT - single exposure

OSHA HCS 2012 classification criteria not met.

Main component with available data:

Not classified.

STOT - repeated exposure

OSHA HCS 2012 classification criteria not met.

Main component with available data:

NOAEL (systemic toxicity) = 1000 mg/kg bw/day (oral, rat, Combined Repeated Dose Toxicity Study with the Reproduction/ Developmental Toxicity Screening Test).

Aspiration hazard

OSHA HCS 2012 classification criteria not met.

No data available.

Target Organs:

No data available for product.

Information on the likely routes of exposure:

Inhalation, Skin, Eye, Ingestion

Potential Health Effects Inhalation

Acute (Immediate):

No data available.

Chronic (Delayed):

No data available.

Skin

Acute (Immediate):

May cause an allergic skin reaction.

Chronic (Delayed):

May cause an allergic skin reaction.

Eye

Acute (Immediate):

Causes serious eye damage.

Chronic (Delayed):

Causes serious eye damage.

## SECTION 12. Ecological Information

Toxicity

Product is not classified.

12.1 Main component with available data:

96 h LC50 (mortality) > 100 % v/v saturated solution (*Oncorhynchus mykiss*, OECD Guideline 203).

48 h EC50 (mobility) > 100 % v/v saturated solution (*Daphnia magna*, OECD Guideline 202).

72 h NOEC (growth rate and yield) = 14 mg/L (*Desmodesmus subspicatus*, OECD Guideline 201).

12.2 Water solubility

No data available for the product.

12.3 Bioaccumulative potential

No data available for the product.

12.4 Bioaccumulative potential

No data available for the product.

12.5 No Mobility in soil data available

12.6 Ozone depleting chemical data not available

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**SECTION 13. Disposal considerations****13.1 Waste treatment methods**

Dispose of contents/container in accordance with local/national regulation.

**13.1.1 Residual wastes**

Dispose of the product in accordance with federal, state and local regulations.

**13.1.2 Contaminated containers and packaging**

Dispose of containers in accordance with federal, state and local regulations.

**SECTION 14. Transport Information****IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL73/78 and IBC Code

Non Noxious Liquid ; Cat. OS

Fillers

**SECTION 15. Regulatory Information**

Safety, health and environmental regulations/legislation specific for the substance or mixture

**US major regulations**

TSCA Inventory : All components are listed or are exempted from listing.

California. Proposition 65, (as amended through November 20, 2015) :

This material does not contain.

**SECTION 16. Other information**

**Date of preparation of SDS:** 13 October. 2017

**Reference Book**

Globally Harmonized System of classification and labelling of chemicals, (5th ed., 2013), UN

Recommendations on the TRANSPORT OF DANGEROUS GOODS 18th edit., 2013 UN

Classification, labelling and packaging of substances and mixtures (table3-1 ECNO6182012)

2012 EMERGENCY RESPONSE GUIDEBOOK(US DOT)

2015 TLVs and BEIs. (ACGIH)

<http://monographs.iarc.fr/ENG/Classification/index.php>

Supplier's data/information