

Safety Data Sheet

1. Chemical and Company Information

Chemical name	Cemedine Super X Clear
Supplier's company name, address and telephone number	
Company Name: Cemedine Co., Ltd.	
Address: 2184 Shimoono, Koga City, Ibaraki Prefecture, 306-0204	
Department in	Quality Assurance Department, Chemical Substances Management Group
charge Telephone number 0280-92-4518	
Fax number	0280-92-1947
Email address	emg@cemedine.co.jp
Emergency phone number	0280-92-4518
	Monday to Friday, 8:30 to 16:50 (Language: Japanese)

Recommended Use and Restrictions on Use

Recommended use	Modified silicone resin elastic adhesive
Usage restrictions	Do not use for any purpose other than the recommended use.
serial number	3775

2. Hazards Identification

GHS Classification of Chemicals		
Physical and Chemical Hazards	flammable liquid	Category 4
Health hazards	Serious eye damage/eye irritation	Category 1
	Skin sensitization	Category 1
Environmental hazards	Does not meet the GHS classification criteria.	

GHS Label Elements

pictogram	
signal word	danger
Hazard and Toxicity Information	Flammable liquid. May cause an allergic skin reaction. Causes serious eye damage.

Notes

Safety measures	Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. No smoking. Avoid breathing mist/vapours. Do not allow contaminated work clothing to leave the workplace. Wear protective gloves/protective clothing/eye protection/face protection. To use
First aid measures	If on skin: Rinse with plenty of water. Immediately consult a doctor. If in eyes: Rinse with several drops of water. Rinse carefully for 1 minute. Then, remove contact lenses if you are wearing them and can easily do so. If skin irritation or rash occurs: Get medical advice/attention Remove contaminated clothing and wash before reuse. In case of fire: Use appropriate extinguishing agent. Use it to extinguish the fire.
storage	Store in a well-ventilated place.
Discard	Dispose of contents/container in accordance with local, regional, national and international regulations.
Not related to GHS classification or Other hazards not addressed in GHS Harmful	No knowledge.
Other Information	9.093% of the mixture is composed of ingredients with unknown acute oral toxicity. 9.093% of the mixture is composed of ingredients with unknown acute dermal toxicity. 6.387% of the mixture is composed of ingredients of unknown acute inhalation toxicity. 9.093% of the mixture is composed of ingredients of unknown acute inhalation toxicity to the aquatic environment. It is a component with unknown acute hazards.

Summary of important signs and potential emergencies

Important symptoms	Severe eye irritation. Symptoms include stinging, tearing, redness, swelling, and blurred vision. Blindness, etc. May cause permanent eye damage. May cause an allergic skin reaction. Dermatitis. Rash.
Overview of the emergency	May ignite when exposed to heat, sparks or flame. Causes serious eye damage. May cause an allergic skin reaction. Rejy

3. Composition and ingredient information

Distinguishing between chemical substances and mixtures		mixture		
		Official Gazette Publication Reference Number		
Chemical or generic name	CAS number	Chemical Substances Control Law	Safety and health law	Content (%)
Alkoxysilane 1	Trade secrets	Trade secrets	Trade secrets	1 - 5
Alkoxysilane 2	Trade secrets	Trade secrets	Trade secrets	1 - 5
antioxidants	Trade secrets	Trade secrets	Trade secrets	1 - 5
Trimethoxy(vinyl)silane	2768-02-7	(2)-2066	(2)-2066	1 - 5
Tin and its compounds	Trade secrets	Trade secrets	Trade secrets	0.1 - < 1

4. First aid measures

If inhaled	Move to fresh air. If symptoms worsen or persist, contact a doctor.
If on skin	Immediately remove contaminated clothing and wash skin with soap and water. In case of eczema or other skin disorders: Take this leaflet with you when you see a doctor.
If in eyes	Immediately flush eyes with plenty of running water for at least 15 minutes. If contact lenses are present and can be easily removed Remove the item and continue rinsing. Seek immediate medical attention.
If swallowed	Rinse mouth. If symptoms occur, seek medical attention.
The most acute and delayed symptoms	Severe eye irritation. Symptoms include stinging, tearing, redness, swelling, and blurred vision. Blindness, etc.
Important symptoms and symptoms	May cause permanent eye damage. May cause an allergic skin reaction. Dermatitis. Rash.
Necessary for the protection of first aiders	Inform medical staff about the substance and remind them to take protective measures.
Important Notes	If you reuse it, wash it.
Special notes for physicians	Administer general and symptomatic treatment as appropriate. Continue to observe the victim. Symptoms may be delayed. It may come.

5. Fire Prevention Measures

Suitable extinguishing agents	Water spray. Foam. Dry chemical. Carbon dioxide (CO2).
Fire extinguishing agents that should not be used	Do not use a water jet to extinguish the fire as it will spread the fire.
Specific hazards in fire	This product is flammable and can form explosive vapor-air mixtures when heated.
Specific fire extinguishing methods	In case of fire or explosion, do not breathe fumes.
Special firefighting personnel must wear self-contained breathing apparatus and full protective clothing.	
Protective equipment and precautions	
General Fire Hazards	Flammable liquidyy
Specific fire fighting methods	Use normal fire-fighting procedures. Consider the hazards of other materials affected.

6. Leakage Measures

Personal precautions and protection	Keep unauthorized people away from the area of the spill or leak and keep them upwind.
Equipment and emergency measures	Remove all ignition sources (nearby cigarettes, flames, sparks, open flames). Use appropriate protective gear while cleaning. Wear protective equipment and clothing. Avoid breathing mist/vapours. Do not touch spilled containers or spilled material. Ensure adequate ventilation. If the spill is too severe to recover, Local authorities should be notified. See SDS section 8 for personal protective equipment.
Environmental Precautions	Avoid discharge into sewers, waterways or onto the ground.
Containment and cleanup methods and equipment	Remove all ignition sources (nearby cigarettes, flames, sparks, open flames); combustible materials (wood, paper, oil, etc.) Keep away from spills. Large spill: Shut off flow of material if possible without risk. Dam the spill if possible. Absorb the product in non-combustible material such as vermiculite, sand or earth and collect it in a container for later disposal. After collecting the product, rinse the area with water. Small spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe with a cleaning material (e.g. cloth, fleece). Thoroughly clean the floor to remove any remaining contamination. Never collect spilled material in the original container for reuse. Refer to this SDS for waste disposal instructions. See item 13.

7. Handling and storage precautions

Handling	
Technical measures (local ventilation, body ventilation, etc.)	All tools used when handling the product must be grounded. Non-sparking tools and explosion-proof Use equipment and provide adequate ventilation.
Safety Handling Precautions	Do not handle, store or open near open flames, heat sources or sources of ignition. Do not smoke while handling. Take precautions to prevent static discharge. Avoid contact with eyes. Avoid breathing mist/vapours. Avoid contact with eyes, skin and clothing. Avoid prolonged exposure. Use good industrial hygiene. Use personal protective equipment as recommended in Section 8 of the SDS.
contact avoidance	Strong oxidizing agent. See SDS section 10 for more information.
Hygiene measures	Do not smoke while handling. Always observe good hygiene practices, such as washing your hands after handling this material and before eating, drinking or smoking. Wash work clothing and protective equipment regularly to remove contaminants. Remove contaminated work clothing from the workplace. Don't let it out.
storage	
Safe Storage Conditions	Store away from heat, sparks and open flames. Store in a cool, dry place away from direct sunlight. Keep container tightly closed. Store in a well-ventilated area. Keep in a sprinkler-protected area. Store away from prohibited substances (see section 10 of this SDS). Store contents between 5 and 35°C. and.
Safe container and packaging materials	Store in the original container tightly closed.

8. Exposure Controls and Personal Protection

Permissible concentrations, etc.			Follow standard monitoring procedures.		
Exposure Limits					
US ACGIH Threshold Limit Values (TLV)					
component		type		Number	
Tin and its compounds		STEL		0.2 mg/m3	
		TWA		0.1 mg/m3	
Exposure Guidelines					
US ACGIH Exposure Limits: Skin					
Tin and its compounds (CAS Trade Confidential)			Risk of skin absorption		
Equipment measures		Adequate general ventilation must be provided. Ventilation rates should be adapted to the conditions. Exposure limits have been established. In such cases, keep the air concentration below the exposure limit value by using a closed system, local exhaust ventilation system or other devices. Even if no limit has been set, keep the airborne concentration below an appropriate level. Install eyewash facilities.			
		Ruijy			
protective equipment					
respiratory protection		Airborne concentrations should be measured at recommended exposure limits (where applicable) or at acceptable levels (where no exposure limits have been established). If engineering controls are not met, recommended masks must be worn.			
Hand protection		Impervious gloves must be worn.			
Eye and face protection		Wear safety glasses (or goggles) with side shields and a face shield. A rule is preferable.			
Skin and body protection		Impervious protective equipment must be worn.			

9. Physical and Chemical Properties

Physical State	liquid.
shape	liquid.
color	Pale yellow transparently
odor	No data.
Melting point/freezing point	No data.
No boiling point or initial boiling point or boiling range data available.	
flammable	No data.
Lower and upper explosive limits/flammable limits	
Explosive limits - Lower limit (%)	No data available
Explosive limits - upper limit (%)	No data.
flash point	75.1 °C (167.2 °F) Setaflash

Autoignition point	No data.
decomposition temperature	No data.
pH	No data.
kinematic viscosity	No data.
solubility	
Solubility (water)	No data.
n-octanol/water distributor	No data.
Number (log value)	
vapor pressure	No data.
Density and/or relative density	
density	1.01 g/cm3
Relative Density	1.01 g/cm3
Relative Gas Density	No data.
Particle properties	No data.
Other Information	
Explosive properties	It's not an explosive.
Oxidizing capacity	It is not oxidizing.
specific gravity	1.01

10. Stability and Reactivity

Reactivity	This product is stable and non-reactive under normal conditions of use, storage, and transportation.
chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	No dangerous reactions known under normal conditions of use.
Conditions to avoid	Avoid heat, sparks, open flames and other sources of ignition. Avoid temperatures above flash points. Contact of
Hazardous substances to avoid	Strong oxidizing agent
Hazardous decomposition products	No known hazardous decomposition products.

11. Toxicological information

acute toxicity	9.093% of the mixture is composed of ingredients with unknown acute dermal toxicity. 9.093% of the mixture is composed of ingredients with unknown acute oral toxicity. 6.387% of the mixture consists of components of unknown acute inhalation toxicity.
Acute toxicity (inhalation)	
Alkoxy silane 2	Category 4 :REACH classification
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.
Alkoxy silane 1	Category 2 :REACH classification
Serious eye damage/eyesSerious eye damage	
Irritation	
Alkoxy silane 1	Category 1 :REACH classification
Alkoxy silane 2	Category 1 :REACH classification
Respiratory or skin sensitization	
Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	May cause an allergic skin reaction.
Alkoxy silane 2	Category 1B :REACH classification
Trimethoxy(vinyl) silane	Category 1B :REACH classification
Germ cell mutagenicity	Data indicating that this product or any ingredient present in the product at 0.1% or more is mutagenic or genotoxic There is no data.
Carcinogenicity	Not classifiable as to carcinogenicity to humans.
ACGIH Carcinogens	
Tin and its compounds (CAS Trade Confidential)	A4 Not classifiable as carcinogenic to humans.

Reproductive Toxicity: This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity (single exposure)	Does not fall into the category
Dew)	

Specific target organ toxicity (single exposure)	
tin	
and its compounds	Category 2 :REACH classification
Specific target organ toxicity (repeated exposure)	Does not fall into the category
Alkoxysilane 2	Category 2 :REACH classification
Aspiration hazard	Not an aspiration hazard.
12. Environmental impact information	
ecotoxicity	A 72-hour exposure test at 10 mg/L using a product with a similar composition, using a test method in accordance with OECD Guideline 201 for the testing of chemicals, showed that the mixture did not meet the criteria for short-term (acute) or long-term (chronic) hazard (algae). No data are available on the degradability of any of the components
Persistence/degradability	in the mixture.
Bioaccumulation	No data
Mobility in soil	There is no data for this product.
Harm to the ozone layer	No data
Other adverse effects	No other adverse environmental effects (e.g., ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from these ingredients.
13. Disposal Considerations	
Residual waste	Dispose of in accordance with local regulations. Empty container or liner may contain product residue. This material and its container must be disposed of in a safe manner. Follow label warnings even after the container is
Contaminated containers and packaging	emptied, as product residue may remain. Empty containers must be taken to an approved waste treatment facility for recycling or disposal.
Local waste disposal regulations	Entrust disposal to a company licensed under the Waste Management and Public Cleansing Act. Collect and recycle, or dispose of in sealed containers at a licensed waste disposal site. Dispose of the contents/container in accordance with local, regional, national, and international regulations. If your company does not have its own wastewater treatment equipment, collect the entire amount and entrust disposal to a licensed industrial waste disposal company, along with an industrial waste management slip (manifest).
14. Transportation Precautions	
IATA	
Not classified as dangerous goods.	
IMDG	
Not classified as dangerous goods.	
Liquid substances transported in bulk according to MARPOL 73/78 Annex II and IBC Code	This product is not intended for bulk transport.
Domestic regulations	Domestic transport must comply with regulations in section 15.
15. Applicable laws and regulations	
Substances subject to	
notification under the Industrial Safety and Health Act (Substances subject to SDS issuance and risk assessment) (Cabinet Order Number, Content, Enforcement Date)	
Tin and its compounds are not	Cabinet Order No. 322
subject to	
labeling .	
Carcinogenic substances (Article 577-2 of the Industrial Safety and Health Regulations) are not applicable.	
Candidate substances for which SDS issuance and risk assessment are mandatory (content, enforcement date): Trimethoxy(vinyl)silane	2026/04/01
Poisonous and Deleterious Substances Control Act: Not	
classified as a specified	
poisonous substance. Not	
classified	
as a poisonous substance .	
Not	
classified as a deleterious substance .	

Act on the Examination and Regulation of Manufacture, etc. of Chemical Substances

Not applicable to Class 1 specified chemical

substances . Not

applicable to Class 2 specified chemical

substances . Not

applicable to monitored

chemical substances .

Not applicable to priority assessment

chemical substances .

Not applicable to substances

not exempt from notification .

Act on Promotion of Reporting and Managing Chemical Substances Releases from April 1, 2023

Specific Class 1 Designated Chemical Substances (Substance Name, Control Number, Content): Not Applicable.

Class 1 Designated

Chemical Substances (Substance Name, Control Number, Content): Not Applicable. Class 2

Designated Chemical

Substances (Substance Name, Control Number, Content): Not Applicable.

fire service law

Class 4, Class 3 petroleum (non-water-soluble liquid) Hazard Class III

Ship Safety Law/Danger Regulations

Not applicable

Aviation Law/Enforcement Regulations

Not applicable

Not applicable to the

Explosives Control Act

Other Information

Chemical substances that cause skin damage (Article 594-2 of the Industrial Safety and Health Regulations): Vinyltrimethoxysilane

16. Other Information

References

ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices HSDB® - Hazardous Substances Data Bank IARC Carcinogenicity Assessment Monograph Japan Chemical Industry Association GHS Guidelines, June 2019 Japan Society for Occupational Health, Recommendations for Permissible Concentrations, etc. JIS Z 7252:2019 Classification of Chemicals Based on GHS JIS Z 7253:2019 Methods for Communicating Hazardous Information on Chemicals Based on GHS - Labels, Workplace Signs, and Safety Data Sheets (SDS) National Toxicology Program (NTP) Report on Carcinogens Formaldehyde Standards: (Japan Adhesives Industry Association) Voluntary Management Regulations for Indoor Air Pollution Control JAIA 000905 Fyōyō Contact (<http://www.jaia.gr.jp>)

4VOC Standard: (Japan Adhesives Industry Association) Voluntary Control Regulations for VOC (Volatile Substances) to Prevent Indoor Air Pollution. Complies with 4VOC Standards. JAIA 501530. For inquiries, please contact: (<http://www.jaia.gr.jp>)

Cemedine Co., Ltd. cannot predict all circumstances in which this information and our products, or our products and products from other manufacturers, may be used in combination. It is the user's responsibility to ensure safe conditions when handling, storing, and disposing of the product, and the user will be legally liable for any loss, injury, damage, or expense resulting from improper use. The information on this sheet has been compiled based on the best currently available knowledge and experience.