

Fixing Agent GF-1

Material Safety Data Sheet

Section 1: General Information

1.1	Trade Name	Fixing Agent GF-1
1.2	Product No.	F10080
1.3	Company Information	
	Producer	Shanghai SCC Fine Chemicals Co., Ltd
	Address	No. 299 Chunhua Road Jinshan District Shanghai China
	Telephone	021-51860378
	Website	http://www.thescc.net
	E-mail	scc@thescc.net
1.4	Release Date	Nov., 2013

Section 2: Hazards Identification

2.1	Hazard Category	N/A
2.2	Hazard Symbol	N/A
2.3	Signal Word	N/A
2.4	Hazard Declaration	N/A
2.5	Precautions	Avoid contact with skin and eyes. Eyes contact: Rinse with plenty of clean water for several minutes; remove the contact lenses if it is convenient when wearing contact lenses, continue to rinse. If contact with skin, rinse with plenty of soapy water.

Section 3: Chemical Composition

3.1	Chemical Nature	Compound
3.2	Chemical Composition	Cationic compound

Section 4: First Aid Measures

4.1	First Aid Measures	
	Inhalation	Vapors or mists inhalations should remove the victim to fresh air.
	Ingestion	Seek medical advice or symptoms treatment if swallowing.
	Skin Contact	Rinse with plenty of soapy water if skin contacts.
	Eyes Contact	Rinse with plenty of water if eyes contact.
4.2	Important Symptoms & Effects	
	Adverse Symptoms	Skin allergy
	Hazards	No immediate hazards.
4.3	Tips to Doctor	Symptoms treatment.

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Section 5: Fire-fighting Measures

5.1	Extinguishing Media	Dry powder fire extinguisher, foam extinguisher or spray water used in big fire. In small fire, can use carbon dioxide extinguisher, dry powder fire extinguisher or sprayed with water. Water can be used to cool down containers exposed to the fire.
5.2	Inappropriate Extinguishing Media	N/A
5.3	Special Hazardous Substances	Hazardous Combustion substances: carbon dioxide, carbon monoxide, nitrogen oxides.
5.4	Special Firefighting Equipments for Firemen	Need to wear self-contained breathing apparatus and protective clothing when extinguishing big fire caused by chemicals.

Section 6: Accidental Release Measures

6.1	Personal Protection	Avoid eyes and skin contact. Avoid inhalation of mist or spray, do not ingest.
6.2	Environmental Protection	With sands, clays or other appropriate barriers preventing its spread or run into sewers and drains.
6.3	Elimination Methods	Clean up absorption materials (such as sands, clay or other barriers) and handle in accordance with relevant provisions. Further exposure handle and disposal handle please refer to Section 8 and Section 13.
6.4	Additional Information	Do not let the liquid run into river, pond or sewage system, recycle or consider using as much as possible.

Section 7: Handling and Storage

7.1	Handling Precautions	Use adequate ventilation apparatus, avoid eye and skin contact. Avoid inhaling mist or spray, do not ingest. Implement good industrial hygiene practices. Rinse after using, especially before eating, drinking and smoking.
7.2	Storage Conditions	Sealed store in a cool ventilated area, be careful when open and use. Keep away from fire and heat sources.
7.3	Inappropriate Packing Material	N/A

Section 8: Contact Controls & Personal Protection

8.1	Workplace Parameter Control Components:	N/A
8.2	Conventional Ways of Personal Protection Apparatus	
	Respiratory Protection	Appropriate respirator is essential no matter in any mist or spray existing environment, for example when spraying or similar behaviors.
	Appropriate Respirator	Dust proof / Anti-fog type
	Eyes Protection	Use appropriate protection, safety goggles are minimum requirements.
	Hands Protection	Need to wear chemical protective gloves when repeated contact or long time contact.
	Skin Protection	Clean before eating and after handling.
	Hygiene Prevention Measures	Cultivate good industrial hygiene habits. Washing hands after use, especially before eating and smoking.

Section 9: Physical and Chemical Properties

9.1	Appearance	Transparent liquid
9.2	Color	Light yellow to colorless
9.3	Odor	Slight odor

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9.4	Flashing Point	N/A
9.5	Density	1.0g/cm ³ (at 25 °C)
9.6	Solubility	Water soluble at any ratio
9.7	pH Value	6 ± 1 (at 10 g/L water)

Section 10: Stability and Reactivity

10.1	Chemical Stability	Stable under normal conditions
10.2	Possible Hazardous Reaction	Hazardous polymerization reaction will not occur under proper storage and use conditions.
10.3	Conditions to Avoid	N/A
10.4	Materials to Avoid Contact	Avoid contact with strong oxidizing agent.
10.5	Harmful Decomposed Substances	Not available under proper storage and use conditions.

Section 11: Toxicology Information

11.1	Exposure Pathways	Inhalation, skin contact and accidental ingestion.
11.2	Effects and Symptoms of Excessive Exposure	No hazardous symptoms occur under normal use.
11.3	Acute Toxicity	
	Eyes	Direct contact can cause temporary redness and swelling.
	Skin	May cause allergic reactions.
	Ingestion	Very low harm of intake under normal use.
	Inhalation	A single short time exposure has no obvious harm.
11.4	Chronic Toxicity	
	Skin	Repeated or prolonged exposure may cause irritation.
	Ingestion	Repeated or large intake may cause internal damage.
	Inhalation	N/A
11.5	Other Harmful Health Information	N/A

Section 12: Ecological Information

12.1	Ecological Toxicity	
	Acute Toxicity	No harmful to aquatic organisms.
	Chronic Toxicity	No harmful to aquatic organisms.
	Effects to Wastewater Treatment Plant	No harmful to bacterial, can eliminate over 90% through stick with sewage sludge.
12.2	Persistence and Biodegradability	Can be degraded in the soil.
12.3	Potential Bio-concentration	No bio-concentration.
12.4	Additional Environmental Information	Do not directly run into soil, sewage and drain. Similar products related environmental data has been established.

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Section 13: Disposal Consideration		
13.1	Product Abandonment	Shipped to special incinerator in accordance with local laws and regulations.
13.2	Packaging Disposal	If the empty container was sent to the recycle bin or deal with receiving containers, they must be informed of possible hazards.

Section 14: Transport Information		
14.1	Highway or Railway Transport	No specific requirement.
14.2	Ocean Shipping	No specific requirement.
14.3	Airlift Shipping	No specific requirement.
14.4	Special Requirement and Additional Information	None

Section 15: Regulatory Information		
15.1	Applicable Regulations	Workplace Safety Use of Chemical and The General Principles of Chemical Classification and Risk Notice [GB13690-2009]
15.2	Safety Evaluations	There is no corresponding safety evaluation standard for this product.

Section 16: Other Information		
None		

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