



Material Safety Data Sheet

1. Product and company identification
Product Name: Carbon Colloid Conditioner
Code: REM - 3316
Manufacturer: HUACHUANG ELECTRONIC MATERIALS (YANCHENG) CO., LTD. NO. 61, XIKANG SOUTH ROAD, DAFENG DISTRICT, YANCHENG CITY, JIANGSU PROVINCE
In case of emergency: TEL: 86-159 6269 1979

2. Information on ingredients		
Compound		
Hazardous ingredients	%	CAS number
Aminoethylethanolamine	35 - 45	111-41-1

3. Hazards identification	
Physical state	Liquid. [Clear light yellow]
Emergency overview	DANGER ! Corrosive to the eyes, skin and respiratory system. Causes burns. May cause sensitization by inhalation and skin contact. Do not breathe vapor or mist. Do not get in eyes or on skin or clothing. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.
Potential acute health effects	
Inhalation: Corrosive to the respiratory system. May cause sensitization by inhalation. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.	
Ingestion : May cause burns to mouth, throat and stomach.	
Skin : Corrosive to the skin. Causes burns. May cause sensitization by skin contact.	
Eyes : Corrosive to eyes. Causes burns.	
Over-exposure signs	
Inhalation: Adverse symptoms may include the following: coughing, wheezing and breathing difficulties.	
Ingestion : Adverse symptoms may include the following: stomach pains.	
Skin : Adverse symptoms may include the following: pain, redness.	
Eyes : Adverse symptoms may include the following: irritation, watering, redness.	

4. First aid measures



Eye contact: Get medical attention immediately. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.

Skin contact: Get medical attention immediately. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.

Inhalation: Get medical attention immediately. Move exposed person to fresh air. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In the event of any complaints or symptoms, avoid further exposure.

Ingestion: Get medical attention immediately. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person.

5. Fire-fighting measures

Flammability of the product: In a fire or if heated, a pressure increase will occur and the container may burst.

Extinguishing media: Use an extinguishing agent suitable for the surrounding fire.

Special exposure hazards: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Hazardous combustion products: Decomposition products may include the following materials: carbon oxides, nitrogen oxides.

6. Accidental release measures

Personal precautions: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Large spill: Stop leak if without risk. Move containers from spill area. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.

Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

7. Handling and storage

Handling: People with a history of skin sensitization problems or asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do

not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from acid.

Storage: Storage temperature: 5 to 40° C. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

8. Exposure controls and personal protection

Consult local authorities for acceptable exposure limits.

Recommended monitoring procedures.

Engineering measures: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protection:

Hands: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Eyes: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

Skin: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

9. Physical and chemical properties

Physical state: clear light yellow liquid	Odor: amine odor
PH: > 11.5	Melting/freezing point: 0 °C
Relative density: 1.036	Solubility in water: completely dissolved

10. Stability and reactivity

Stability: The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.

Materials to avoid: Acids and oxidizing agents

Hazardous decomposition products: Thermal decomposition may yield oxides of carbon and nitrogen.

11. Toxicological information

Acute toxicity

Conclusion/Summary : Not available.

Chronic toxicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

12. Ecological information

Environmental precautions : No known significant effects or critical hazards.

Aquatic ecotoxicity

Conclusion/Summary : Not available.



Biodegradability

Conclusion/Summary : Not available.

13. Disposal considerations

Waste disposal: The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.



14. Transport information

Regulatory	UN number	Proper shipping name	Class	PG*	Label	Additional information
DOT Classification	UN3267	CORROSIVE LIQUID	8	III		-
TDG Classification	UN3267	CORROSIVE LIQUID	8	III		-

Carbon Colloid Conditioner **REM 3316**



REM- Rocket Electronic Materials Co., Ltd

IMDG Class	UN3267	CORROSIVE LIQUID	8	III		-
IATA-DGR Class	UN3267	CORROSIVE LIQUID	8	III		-

15. Regulatory information

Corrosive material.
 Hazardous chemicals: Aminoethylethanolamine.
 Hazard identification: Aminoethylethanolamine.
 Regulated flammable substances: No products were found.
 Regulated toxic substances: No products were found.

16. Regulatory information

To the best of our knowledge, the information contained herein is accurate. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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