

Material Safety Data Sheet

1. Product and company identification		
Product Name: Carbon Colloid		
Code: REM - 3310		
Manufacturer: HUACHUANG ELECTRONIC MATERIALS (YANCHENG) CO., LTD. NO. 61, XIKANG SOUTH ROAD, DAFENG DISTRICT, YANCHENG CITY, JIANG		
In case of emergency: TEL: 86-159 6269 1979		

2. Information on ingredients		
Compound		
Hazardous ingredients	%	CAS number
Potassium Carbonate	0.5-2	584-08-7
Carbon black	0.5-2	1333-86-4

3. Hazards identification	
Physical state	Liquid. [Black / little to no odor]
Emergency overview	Harmful if swallowed. Moderately irritating to eyes. Slightly irritating to the skin. Avoid exposure - obtain special instructions before use. Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Contains material that may cause target organ damage, based on animal data. Wash thoroughly after handling.
Potential acute health effects	
Inhalation:	No known significant effects or critical hazards.
Ingestion :	Harmful if swallowed.
Skin :	Slightly irritating to the skin.
Eyes :	Moderately irritating to eyes.
Over-exposure signs	
Inhalation:	No specific data.
Ingestion :	No specific data.
Skin :	Adverse symptoms may include the following: irritation, redness.
Eyes :	Adverse symptoms may include the following: irritation, watering, redness.

4. First aid measures



Eye contact: 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. Get medical attention.

Skin contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Inhalation: Move exposed person to fresh air. 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. Get medical attention. 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.

Ingestion: Wash out mouth with water. Remove dentures if any. 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. Get medical attention. Never give anything by mouth to an unconscious person. 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.

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, etc.

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: Put on appropriate personal protective equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do



not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator.

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: 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: Black Liquid	Odor: little to no odor
PH: 10.2	Melting/freezing point: 0 °C
Relative density: 1.015	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

Hazardous decomposition products: Thermal decomposition may yield carbon monoxide and/or carbon dioxide.

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 Determined

13. Disposal considerations

Waste disposal: 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.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

14. Transport information

Regulatory	UN number	Proper shipping name	Class	PG*	Label	Additional information
DOT Classification	Not regulated.	NON-REGULATED	-	-		-
TDG Classification	Not regulated.	NON-REGULATED	-	-		-
IMDG Class	Not regulated.	PLATING ADDITIVE	-	-		-
IATA-DGR Class	Not regulated.	PLATING ADDITIVE	-	-		-



15. Regulatory information

Extremely hazardous substances: No products were found.
 Hazardous chemicals: Potassium carbonate.
 Hazard identification: Potassium carbonate.
 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.

Issue date	Oct. 15th , 2016
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