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## Safety Data Sheets (SDS)

### 1. Product and Company Information

Product name: RCF-6 FX-R  
 Company name: CHUGAI PHOTO & CHEMICAL Co.,Ltd.  
 Address: 2-19-1 Narihira, Sumida-ku, Tokyo,130-0002,Japan  
 Department in charge: Sales Promotion Division  
 Telephone: 047-362-2596  
 Fax number: 047-368-1091  
 Emergency contact: Same as above

### 2. Hazards Summary:

GHS Classification (Classification criteria are Japanese method): Not applicable.  
 Most important hazards and effects: No particular dangers are present under normal handling.  
 Physical and chemical hazards: No particular hazards if handled normally.  
 Harmful effects:  
 Skin: May cause skin irritation.  
 Eyes: May cause eye irritation.  
 Inhalation: May cause respiratory tract irritation.  
 Ingestion: May be harmful if swallowed.  
 Other information: None.  
 Hazardous to the environment: No data available.  
 Specific hazards: None

### 3. Composition information

Distinguishing between single products and mixtures

In principle, items subject to labeling or notification under the Industrial Safety and Health Act must display a percentage equal to or higher than the specified percentage under the Industrial Safety and Health Act, and all other items must display a percentage equal to or higher than 1%.

Ingredient name	content (%)	CAS No.	Chemical Substance Control Law No.	PRTR method	GHS classification
Water	40-60	7732-18-5			Contributing Component Not applicable
Ammonium thiosulfate	35-45	7783-18-8	1-0405		Not applicable
Sodium sulfite	5-15	7757-83-7	1-0502		Not applicable

Substances subject to the PRTR Law (Law for Promoting the Management of Chemical Substances) are shown as classified as specific Class 1, Class 1, or Class 2 designated chemical substances.

Ingredients with the notation [Safety and Health Labeling] next to them are subject to labeling under the Industrial Safety and Health Act, those with the notation [Safety and Health Notification] are subject to notification under the Industrial Safety and Health Act, and those with the notation [Organic Solvent Poisoning Prevention Regulations] are subject to the Industrial Safety and Health Act's Organic Solvent Poisoning Prevention Regulations.

### 4. First aid measures

- Inhalation: Immediately move victim to fresh air and keep quiet. If symptoms persist, seek medical attention.
- Skin contact: Immediately wash affected area with plenty of water and soap. Remove contaminated clothing and wash thoroughly before reuse. If symptoms persist, seek medical attention.
- In case of contact with eyes: Immediately flush eyes with clean running water for several minutes. If symptoms persist, seek medical attention.
- If swallowed: Rinse mouth thoroughly with water and seek medical attention.

#### 5. Fire Prevention Measures

- Extinguishing media: Use water, carbon dioxide, powder, or foam extinguishers.
- Unsuitable extinguishing agents: No extinguishing agents are unsuitable under normal circumstances.
- Specific fire fighting methods: In case of fire in the surrounding area, move containers to a safe place if possible. All non-essential personnel should evacuate to a safe place immediately. Take care to ensure that leaked substances and fire extinguishing agents are not discharged into rivers, etc. Firefighting activities should be carried out from upwind whenever possible.
- Protection of firefighters: Wear appropriate protective equipment when fighting fires.

#### 6. Leak Prevention Measures

- Personal precautions, protective equipment and emergency procedures: Wear appropriate protective equipment when working. (See "8. Exposure Prevention and Protection Measures.")
- Environmental precautions: Take care not to discharge leaked liquid into rivers, etc. Ensure ventilation as necessary.
- Methods and equipment for containment and cleanup: Collect any spills in an appropriate manner and then flush with plenty of water.

#### 7. Handling and storage precautions

- Available:
- Technical measures: Avoid contact with skin, mucous membranes, clothing, and eyes. Wash hands and face thoroughly after handling.
- Local/general exhaust: Ensure that the work area is adequately ventilated.
- Note: See next page
- Safe handling precautions: Wear appropriate protective equipment when handling. Wash hands and face thoroughly after handling.
- storage:
- Storage conditions: Store tightly sealed in a cool place away from direct sunlight.
- Incompatible materials: Strong acids, strong alkalis, hypochlorites
- Safe container and packaging materials: Use plastic containers with sufficient strength.

#### 8. Exposure Controls and Personal Protection

- Facility measures: Ensure that the workplace is adequately ventilated. Also, provide hand washing and face washing facilities near the workplace, and wash your hands and face thoroughly after handling.

Controlled and permitted concentrations of contained ingredients:

Ingredient Name	CAS No.	Ministry of Health, Labor and Welfare Notification	Japanese Industry	ACGIH TLV
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		Control concentration	Hygiene Society	
Ammonium thiosulfate	7783-18-8	No setting value	No setting value	No setting value
Sodium sulfite	7757-83-7	No setting value	No setting value	No setting value

**Protective equipment:**

Respiratory protection: Wear appropriate respiratory protection as necessary.

Hand protection: Wear suitable protective gloves.

Eye protection: Wear safety glasses. Face protection if necessary.

Skin and body protection:

Wear suitable protective clothing as necessary.

Hygiene measures: Do not eat, drink or smoke while working. Wash hands with soap before eating, drinking or smoking.

**9. Physical and Chemical Properties****Physical State**

Form: Liquid  
 Color: Colorless  
 Odor: Weak ammonia odor  
 pH: 6.2

Specific temperature/temperature range where physical state changes:

Boiling point: ~100°C

Melting point: ~0°C

Flammability, etc.: Stable under normal handling.

Flash point: Not applicable (non-flammable aqueous solution)

Ignition point: No data (not flammable)

Lower explosion limit : Not applicable

Upper limit : Not applicable

Vapor pressure: No data available

Vapor density: No data available

Specific Gravity: 1.31

Solubility (in water): Easy to dissolve

Octanol/water partition coefficient data not available

decomposition temperature data available

**10. Stability and Reactivity**

Stability: Stable under normal conditions of use.

Reactivity: When mixed with strong acids, harmful sulfur dioxide gas may be produced, and when mixed with chlorine bleach (hypochlorite) or strong alkali, ammonia gas may be produced.

Hazardous decomposition products: Sulfur oxides (sulfur dioxide, etc.), ammonia gas, nitrogen oxides, carbon monoxide, carbon dioxide gas

Other information: None

**11. Toxicological information**

Product data

Acute toxicity

Acute oral toxicity (LD50): >2000mg/kg (calculated value)

Test animals: rats

May be harmful if swallowed.

Local effects

Skin irritation: May cause skin irritation.

(Primary irritation index PII: no data available)

Test animals: No data available

Eye irritation: May cause eye irritation.

(Acute eye irritation index: no data available)

Test animals: No data available

Skin sensitization: No data available

Test animals: No data available

Chronic toxicity/long-term toxicity: No data available

Carcinogenicity of component chemicals: No data available

Other information: None

12. Environmental impact information

Product data

Acute toxicity to the aquatic environment: No data available

Fish toxicity: No data available

Test species: No data available

Chronic toxicity to the aquatic environment: No data available

13. Disposal Considerations

When disposing of undiluted or used solutions, do not directly dispose of them in sewers or rivers. If your company does not have its own wastewater treatment equipment, entrust the disposal to a specialized industrial waste disposal company authorized by the prefectural governor, attaching an industrial waste management form (manifest).

Dispose of containers and cardboard in accordance with prefectural and local regulations.

[Applicable laws and regulations when disposing of the item]

Waste Management Law: Industrial waste

Water Pollution Control Law: Living Environment Items

Sewerage Law: Restrictions on removal of sewage

14. Transportation Precautions

Not subject to transportation regulations.

UN Classification: Not applicable

See section 7. Handling and storage precautions.

When transporting, check that there are no leaks, and load the container carefully to prevent it from tipping, falling, or being damaged, and take steps to prevent the container from collapsing.

15. Applicable Laws and Regulations

under the Chemical Substances Control Law : Not applicable

Designated Chemical Substances: Not applicable

Industrial Safety and Health Act Hazardous Materials: Not applicable

Special rules: Not applicable

Organic law: Not applicable

Display subject: Not applicable

Notification subject:	Not applicable
Poisonous and Hazardous Substances Act:	Not applicable
Fire Service Act:	Not applicable
Chemical Substances Management Promotion Act (PRTR Law):	Not applicable
Ship Safety Act:	Not applicable
Aviation Law:	Not applicable

## 16. Other Information

### RCF-6 FX-R Mixture

In principle, items subject to labeling or notification under the Industrial Safety and Health Act must display a percentage equal to or higher than the specified percentage under the Industrial Safety and Health Act, and all other items must display a percentage equal to or higher than 1%.

Ingredient name	content (%)	CAS No.	Chemical Substance Control Law No.	PRTR method	GHS classification Contributing Component
Water	80-90	7732-18-5			Not applicable
Ammonium thiosulfate	5-15	7783-18-8	1-0405		Not applicable
Sodium sulfite	Less than 5	7757-83-7	1-0502		Not applicable

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RCF-6 FX-R 5L x 4 Liquid volume per unit: 0.65L

The contents are based on currently available information, but we do not guarantee the data or evaluations contained herein.

Hazard and harmfulness assessments have not always been sufficient, so please handle with care.

In the event of special handling, it is the user's responsibility to take appropriate measures according to the actual situation.

In addition, the contents may be revised based on changes in laws and regulations or new knowledge.