

SDS No. 16-2-008-(1)-E, GC Fuji PLUS Conditioner

SAFETY DATA SHEET

Number: 14-1-007-(1)-E

Date prepared: 2003 Feb 06

Date Revised: 2016 Mar 16

1. Chemical Product and Company Identification

Product code: -

Product name: GC Fuji PLUS Conditioner

Manufacturer / Supplier:

GC Corporation, 76-1 Hasunuma-Cho, Itabashi-Ku, Tokyo, Japan

Postal code 174-8585, Phone 81-3-3965-1388

2. Hazards Identification

Pictograms of hazard symbol (referring to Iron chloride)



Hazard statement(s)

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statement(s)

P280 Wear protective gloves/ eye protection/ face protection.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

3. Composition / Information on Ingredients

(% chemical components by WT)

Distilled water	87
Citric acid	10
Iron chloride	3

4. First Aid Measures

(Referring to Iron Chloride)

4.1 Description of first aid measures**General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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5. Fire Fighting Measures

(Referring to Iron Chloride)

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

No data available

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

6. Accidental Release Measures

(Referring to Iron Chloride)

6.1 Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas.

Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

7. Handling and Storage

(Referring to Iron Chloride)

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed.

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Store under inert gas. Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Hygroscopic Storage class (TRGS 510): Non-combustible, corrosive hazardous materials

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. Exposure Controls, Personal Protection

(Referring to Iron Chloride)

Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.

Body Protection

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Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

9. Physical and Chemical Properties

Appearance: Yellowish liquid

Odor: Odorless

Boiling Point: No data

Flash Point: No data

Vapor Pressure: No data

Vapor Density: No data

Solubility in Water: Soluble

Specific Gravity: No data

Freezing Point: No data

pH: No data

Volatility: No data

10. Stability and Reactivity

Stability: Stable

Incompatible materials

Strong oxidizing agents, Potassium, Alkali metals, Bases, Exothermic in contact with water, Forms shock sensitive mixtures with certain other materials.

Hazardous Decomposition Products: May produce oxides, and toxic fumes.

Hazardous Polymerization: Will not occur.

11. Toxicological Information

(Referring to Iron Chloride)

Acute toxicity

LD50 Oral - Mouse - 1.300 mg/kg

LD50 Dermal - Rabbit - > 2.000 mg/kg

Skin corrosion/irritation

Skin - Rabbit

Result: Irritating to skin.

Serious eye damage/eye irritation

Eyes - Rabbit

Result: Severe eye irritation

12. Ecological Information

Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 21,84 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - 9,6 mg/l - 48 h

13. Disposal Considerations

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

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Contaminated packaging

Dispose of as unused product.

14. Transport Information

(Referring to Iron Chloride)

UN number

ADR/RID: 1773 IMDG: 1773 IATA: 1773

15. Regulatory Information

No data available

16. Other Information

This SDS mainly refers to SDS of Iron Chloride issued by Sigma-Aldrich.

The information herein is given in good faith, but no warranty expressed or implied, is made.