FUJIFILM

MATERIAL SAFETY DATA SHEET

1. Chemical product and company identification

Product name	**FUJI DRI-CHEM DILUENT DL(CRP)**
Product usage	FUJI DRI-CHEM: Dilution for CRP Sample
Company Name	FUJIFILM Corporation
Address	2-26-30, Nishiazabu, Minato-ku, Tokyo, 106-8620
Division	Medical Systems Business Div.
Telephone Number	03-6418-2199
FAX Number	03-6418-9350
Emergency Contacts	Japan Poison Information Center (In case of accidantal poioning call either)
Telephone Number	Poison Help Emergency Call : Oosaka 072-727-2499(24hrs) Tsukuba 029-852-9999(9a.m-9p.m.)
Reference number	DC100402G

2. Hazards identification

GHS-classification

Health hazards	Acute toxicity (Oral)	Not classified
	Skin corrosion/irritation	Not classified
	Serious eye damage/eye irritation	Not classified

*Degree of Hazards: Smaller category number is more hazardous.

No hazards resulting from the material as supplied.

Other hazards This product has been found to be non-reactive for HBs Ag(hepatitis-B virus antigen), anti-HCV(hepatitis-C virus) and anti-HIV(human immuno deficiency virus) antibodies. However, there is no absolute proof of non-infectiousness.

National/local information See Section 15. REGULATORY INFORMATION

3. Composition/information on ingredients

Substance or Mixture Mixture

		Gazette notification		
Components	**CAS #**	**ENCS no.**	**ISHL no.**	**Concentration (%)**
water	7732-18-5	------		80 - 100
casein from milk	9000-71-9			7 - 15
sodium azide	26628-22-8	1-482	(1)-482	0 - 0.1

Chemical formula H2O (7732-18-5), NaN3 (26628-22-8)

(*) Generally chemical substances greater than 1% of the total are listed.
Note: The notes / remarks within the brackets [ ] following the chemical substance names are used to communicate the following indications:
"PRTR S1" : Chemical substances that are designated in the Law for Promoting the Management of Chemical Substances as Specific Class 1 Chemical Substances.
"PRTR 1" : Chemical substances that are designated as Class 1 Chemical substances in the same Law.
"PRTR 2" : Chemical substances that are designated as Class 2 Chemical substances in the same Law.
"SSN" : Chemical substances that are subject to notification in accordance with the Labor Safety and Health Law.

4. First aid measures

In case of inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician.

Skin contact Rinse skin with water/shower. Get medical attention if irritation develops and persists.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth thoroughly. Get medical attention if any discomfort occurs.

Protection of first-aid responders Rescuers should wear proper personal protective equipment suitable for situation.

5. Fire-fighting measures

Extinguishing media Carbon dioxide, dry chemical and protein based foam.

Extinguishing media to avoid None.

Special fire fighting procedures Keep personnel removed from and upwind of fire. Water runoff can damage the environment. Dike and collect water used to fight fire Evacuate area and fight fire from a safe distance.

Protection of fire-fighters Wear adequate personal protective equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency measures Wear adequate personal protective equipment, see Section 8 (Exposure Controls/Personal Protection)

Environmental precautions Prevent from entering into soil, waterways and ground water.

Clean-up methods and materials and containment measures Spills should be contained by, and covered with suitable absorbent material and removed for disposal.

7. Handling and storage

Handling

Technical measures Avoid contact with skin, eyes and clothing. Wash hands after handling.

Local and general ventilation Use only with adequate ventilation.

Precautions Use care in handling/storage.

Safe handling advice Do not get in eyes and avoid contact with skin and clothing. Wash hands thoroughly after handling.

Storage

Suitable storage conditions Protect from sunlight. Keep container tightly closed.

Safe packaging materials Use plastic container that have enough toughness.

8. Exposure controls/personal protection

Occupational exposure limits

ACGIH

Components	Type	Value
sodium azide (26628-22-8)	Ceiling	0.11 ppm
	TWA	0.29 mg/m3

Engineering measures Evacuate and ventilate spill area. Provide easy access to water supply and eye wash facilities.

Personal protective equipment

Respiratory protection Wear suitable respiratory protection.

Hand protection Wear suitable gloves.

Eye protection Use eye protection. Use face shield in case of splash risk.

Skin and body protection Wear suitable protective clothing.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Appearance

Form Clear liquid

Color Transparent colourless

Odor Practically odourless

pH 6.2 Approx.

Melting point/Freezing point No data available.

Boiling point, initial boiling point, and boiling range No data available.

Flash point No data available.

Auto-ignition temperature No data available.

Flammability limit - lower (%) No data available.

Flammability limit - upper (%)	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Specific gravity	No data available.
Solubility (water)	No data available.
Partition coefficient (n-octanol/water)	No data available.
Decomposition temperature	No data available.

10. Stability and reactivity

Stability	Stable at normal conditions.
Possibility of hazardous reactions	Mixing with a acid or a heavy metal may form highly explosive metal azides.
Conditions to avoid	Freezing. Protect against direct sunlight.
Incompatible materials	Acids. Heavy metals.
Hazardous decomposition products	CO,CO2
Other Information	May be released the harmful hydrogen azide when mixing with acids.

11. Toxicological information

	Test Results
	Acute Oral LD50 Rat: > 2000 mg/kg
Skin corrosion/irritation	No irritation
Serious eye damage/eye irritation	non irritant

12. Ecological information

Bioaccumulation	Not established.
Mobility in soil	Not established.
Other hazardous effects	Not established

13. Disposal considerations

When your own wastewater treatment plant is not available, collect entire waste and then charge to a licensed industrial waste management professional with manifests for industrial waste. Laws and regulations to be followed while disposing of this product or waste : Japanese Waste Control and Public Cleaning Law: Falls under the category of an industrial waste (acidic waste) Japanese Water Pollution Control Law:Living environment-related item Japanese Sewer Management Law : Restricts discharging wastewater.

14. Transport information

Marine transportation is regulated by IMDG Code. Air transportation is regulated by IATA Dangerous Goods Regulations.
---------- Information for marine and air transportation to be passed to the shipping company ----------

IMDG

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

15. Regulatory information

Law concerning the Examination and Regulation of Manufacture etc. of Chemical Substances

Class 1 Specified Chemical Substance:	Not regulated.
Class 2 Specified Chemical Substance:	Not regulated.
Type 1 Monitoring Chemical Substance:	Not regulated.
Type 2 Monitoring Chemical Substance:	Not regulated.
Type 3 Monitoring Chemical Substance:	sodium azide

Industrial Safety and Health Law

Dangerous Substances Flammable:	Not regulated.
Dangerous Substances Flammable Gases:	Not regulated.

Dangerous Substances Oxidizing:	Not regulated.
Dangerous Substances Explosives:	Not regulated.
Dangerous Substances Ignitable:	Not regulated.
Harmful Substances Carcinogen:	Not regulated.
Class 1 Designated Chemical Substances:	Not regulated.
Class 2 Designated Chemical Substances:	Not regulated.
Class 3 Designated Chemical Substances:	Not regulated.
Class 1 Organic Solvents Preparations:	Not regulated.
Class 2 Organic Solvents Preparations:	Not regulated.
Class 3 Organic Solvents Preparations:	Not regulated.
Notifiable Substance:	Not regulated.
Labeling Requirements:	Not regulated.
Others:	Not regulated.

Poisonous and Deleterious Substances Control Law

Specified Poisonous Substance - Main Law:	Not regulated.
Specified Poisonous Substance - Cabinet Order:	Not regulated.
Poisonous Substances - Main Law:	Not regulated.
Poisonous Substances - Cabinet Order:	Not regulated.
Deleterious Substances - Main Law:	Not regulated.
Deleterious Substances - Cabinet Order:	Not regulated.
Enforcement Order Article 32-2:	Not regulated.
Enforcement Order Article 32-3:	Not regulated.
Not Considered Poisonous:	Not regulated.
Not Considered Deleterious:	Not regulated.
Cabinet Order, Preparations:	

Fire Service Law

Class 1 Oxidizing Solids:	Not regulated.
Class 2 Flammable Solids:	Not regulated.
Class 3 Spontaneous combustibility and Water-reactivity Substances:	Not regulated.
Class 4 Flammable Liquids:	Not regulated.
Class 5 Self-Reactive Substances:	Not regulated.
Class 6 Oxidizing Liquids:	Not regulated.
Designated Flammable Substances:	Not regulated.
Storage Reporting Substance:	Not regulated.

Japan PRTR

Specific Class 1 Designated Substance:	Not regulated.
Class 1 Designated Substance:	Not regulated.
Class 2 Designated Substance:	Not regulated.
Ship Safety Law	Not regulated.
Civil Aeronautics law	Not regulated.
Japan Marine Pollution Prevention Law	Not regulated.
High Pressure Gas Safety law	Not regulated.
Gun Powder Control Law	Not regulated.

16. Other information

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment. This MSDS is prepared according to the MSDS guideline of Japan Chemical Industry Association based on JIS Z7250:2005.