

SARAYASARAYA CO., LTD.
SAFETY DATA SHEET

Product name: Food-grade Alcohol Sanitizer S-4

Date written : Aug. 19, 2008

Date revise : Nov. 25 2014

Catalog No. : 363-5

Preparation Date : Feb. 2, 2015

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name Food-grade Alcohol Sanitizer S-4

Catalog No. 363-5

Manufacture **SARAYA CO., LTD.**
2-2-8 Yuzato, Higashisumiyoshi-ku,
Osaka, JAPAN 546-0013
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2. HAZARDS IDENTIFICATION

GHS Classification

Physical and chemical hazards

Flammable liquids Category 2

Health Hazards

Serious eye damage/eye irritation Category 2

Germ cell mutagenicity Category 1

Reproductive toxicity Category 1

Specific target organ/systemic toxicity following single exposure Category 3

Specific target organ/systemic toxicity following repeated exposure Category 1

(Liver)

Category 2

(Nerve)

Every hazard which is not written on here is not applicable to GHS classification or category.

GHS label elements

Pictograms Flame, Exclamation mark, Health hazard**Signal words** Danger**Hazard statements** :Highly flammable liquid and vapor

:Cause severe eye irritation

:May cause genetic defects

:May damage fertility or the unborn child

:May cause respiratory irritation

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:May cause drowsiness or dizziness

:Cause damage to liver through prolonged or repeated exposure

:May cause damage to nerve through prolonged or repeated exposure

Other hazards which do not result in classification

Combustible liquid

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Preparation	Preparation
Components	Ethanol, Glycerin fatty acid ester, Citric acid, Sodium citrate, Glycerin

Main ingredient

Chemical name	Ethanol
Concentration	50.0 w/w%

4. FIRST AID MEASURES

Inhalation

Immediately evacuate the patient to well-ventilated area and allow the patient to rest. In severe cases, seek medical attention.

Skin contact

In case of skin irritation, wash away the product with water.

Eye contact

Immediately flush eyes with plenty of water. If symptoms persist, seek medical attention.

Ingestion

Drink water, and then seek medical attention.

5. FIRE FIGHTING MEASURES

Suitable extinguish media

:Water, Powder, Carbon dioxide gas, or Foam (alcohol resistance foam)

Specific hazards in case of fire

Do not use a little amount of water. It may spread fire.

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Instruction

For fires in the initial stages, extinguish by spraying with copious amounts of water. Otherwise, extinguish with above-mentioned media.

For large fire, extinguish by spraying with copious amounts of water or use foam to shutoff air.

Special protective equipment for firefighters

:Fire proof and heat resistant protective equipment

:Mask

6. ACCIDENTAL RELEASE MEASURES

Personal precaution, protective equipment and emergency procedures

:Wear protective equipment such as protective goggle and rubber gloves.

:Avoid skin contact and inhalation

Environmental precautions

For small spills, wash away the material with large amounts of water.

For large spills, recover as much liquid as possible and collect it in an empty covered container.

Wash away left materials with large amounts of water.

Prevention of second disaster

Spilled material is volatile and has permeating properties. Immediately remove possible ignition sources from the surrounding area.

7. HANDLING AND STORAGE

Handling

:Use in a well-ventilated room.

:Keep away from fire.

:Use only specified containers when transferring the product. Clearly indicate the product name, directions for use, warnings and precautions.

:May be caused spatter of the product when opening the cap. When transferring the container, close the cap tightly. Looseness may cause spatter of the product. Skin contact and/or eye contact may be caused.

Storage

Conditions for safe storage

:Store it in a sealed container at a cool area away from direct sunlight.

:Keep out of the reach of children.

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:Avoid falling or spillage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriate engineering control

Handle the product at a well-ventilated area.

Management concentrations

A concentration value for managing the material has not been set.

Control Parameter

A control parameter has not been set.

Personal protection

Use personal protective equipment as needed, such as gas mask, protective goggles, rubber gloves, rubber apron and safety shoes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state	Liquid
Color	Clear, Colorless
Odor	Characteristic odor
pH	3.5-4.5
Specific gravity (15°C)	0.916-0.922

10. STABILITY AND REACTIVITY

Reactivity and Chemical stability

Stable at room temperature.

Possibility of hazardous reactions

Not known

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not known

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Skin corrosion/irritation

Not known

Serious eye damage/eye irritation

Not known

Respiratory sensitization/skin sensitization

Not known

Mutagenicity

Not known

Carcinogenicity

Not known

Industrial Safety and Health Act

50.0 w/w% of ethanol, notifiable substances No. 61

12. ECOLOGICAL INFORMATION

Ecotoxicity

Not known

Persistence and degradability

Not known

Bioaccumulative potential

Not known

Mobility in soil

Not known

None of the chemical compounds like nonyl phenyl ethers that are classified by the Japanese Environment Protection Agency as endocrine disrupters are contained in this product.

13. DISPOSAL CONSIDERATIONS

See section 7, Handling and storage

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International regulations

Disposal should be done in accordance with local, state, and national laws.

Japanese regulations

Waste for residues

Entrust disposal product to industrial waste disposal contractor.

Used container

Disposal should be done in accordance with local, state, and national laws.

14. TRANSPORT INFORMATION

See section 7, Handling and storage

UN regulations

UN classification

Class 3 (Flammable liquids)

UN number

1170

International regulations

It is the responsibility of the user to know and comply with all relevant rules, regulations and laws in the local, state, national and international level relating to the product being used.

Japanese regulations

Take necessary measures to prevent spillage, leakage, outflow and soakage.

15. REGULATORY INFORMATION

International regulations

It is the responsibility of the user to know and comply with all relevant rules, regulations and laws in the local, state, national and international level relating to the product being used.

Japanese regulations

Enforcement Order of the Industrial Safety and Health Act

Appended table 9, Dangerous and harmful substances subject to be notified their name

Japanese Pollutant Release and Transfer Register(PRTR)

Not applicable

Civil Aeronautics Act

Ordinance for Enforcement, Article 194 (3), flammable liquids

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Poisonous and Deleterious Substances Control Act

Not applicable

Fire Defence Law

Not applicable

PMD Act (The Amended Pharmaceutical Affairs Law)

Not applicable

Food Sanitation Act

Article 4 Additive

16. OTHER INFORMATION

Reference material

Alcohol Handbook Vol.9, edited by the Fermentation Industry Foundation (1997).

Disclaimer

:Any of the above information may be changed without prior notice.

:This document is complete and thorough to the best of our knowledge.

Note that information is provided in order to use the product safely, not to guarantee the safety of the product.

:Use the product properly according to its specifications.

:As with all chemicals, at the present time there are some unknown facts about the chemicals contained in this product and thus, the product should be handled with care. It is the responsibility of each individual user to set the conditions in which the product can be safely used.