Date of revision : Nov.16th, 2017

Safety Data Sheet (EU)

1. Product and Company Identification

Product name : Fast Detergent 2 Acid Washing Solution (CODE No. SP2209, SP2209S)
Fast Detergent 2 Acid Washing Solution (CODE No. 20-22-0425)
Name of supplier : Tokyo Boeki Medisys Inc.
Address : 1-14-21, Higashitoyoda, Hino, Tokyo 191-0052, Japan
Division : Quality Assurance Division, Phone : +81-42-587-2965

2. Hazards Identification

GHS classification and label elements of the products

GHS classification

HEALTH HAZARDS

Skin sensitivity : Category 1

Label elements

Signal word : Warning

HAZARD STATEMENT

H317 May cause an allergic skin reaction.

PRECAUTIONARY STATEMENT

Prevention

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P272 Contaminated work clothing should not be allowed out of the workplace.

Response

P302+P352 IF ON SKIN: Wash with plenty of water and soap.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.

Disposal

P501 Dispose of contents/container in accordance with local/national regulation.

3. Composition/Information on Ingredients

Substance/Preparation : Preparation

General name	CAS No.	EU CLP (01.06.2015)	Percent (W/W%)
Nonionic surfactant	N/A to disclosure	—	N/A to disclosure
Organic acid (salt)	N/A to disclosure	—	N/A to disclosure
Metal corrosion inhibitor	N/A to disclosure	—	N/A to disclosure
Antiseptic agent	2682-20-4 26172-55-4	Skin sensitivity Category 1 H317	< 0.05%

4. First-aid Measures

If inhaled

Move the victim to a place full of fresh air, rinse inside the mouth with water sufficiently and keep at rest in a position comfortable for breathing. Get medical treatment, if necessary.

If on skin (or hair)

Wash the affected area with a lot of cold water. Get medical treatment, if necessary.

If in eyes

If even a small amount of the product gets into eyes, immediately wash the affected eye by flushing a lot of water for 15 minutes or more without rubbing (carefully wash eyeball and eyelid completely). Get medical treatment by an oculist. In case you wear contact lens and can take it off easily, you take if off and continue washing eyes.

If swallowed

Rinse inside the mouth with water sufficiently. If the patient is conscious, let the patient drink fresh water or milk. Never force the affected person to vomit. Immediately get medical treatment.

5. Fire-Fighting Measures

Suitable extinguishing media

This product is non-flammable. In case of a fire around the container, as a fire - extinguishing agent that uses the water, dry-chemical powder or carbon dioxide.

Specific fire-fighting measures

Evacuate non-essential personnel to a safe area. Move container from fire area if it can be done without risk

Special protective equipment and precautions for firefighters

Firefighters should wear proper protective equipment. Be careful not to inhale smoke and must work on the windward side of the fire.

6. Accidental Release Measures

Personnel precautions, protective equipment and emergency procedures

Evacuate non-essential personnel. Wear proper protective equipment.

Environmental precautions

Be careful not to dispose such chemical product into the rivers to cause bad influence on peripheral area.

Methods and materials for neutralization, containment and cleaning up

Collect the leakage as much as possible and wipe off some remaining liquid on the floor or ground with some pieces of waste cloth. Burn out such clothes. If the leakage cannot be recovered, discharge them into a pit by flushing with a lot of water.

7. Handling and Storage

Precautions for safe handling

Preventive measures (Exposure Control for handling personnel)

Wear proper protective equipment.

Safety treatments

Do not inhale mist/spray. Avoid contact with skin. Avoid contact with eyes.

It is not allowed to fall down, it drops, the impact is added, and uncouth handling of product etc. is done again.

Storage condition to be avoided

Do not keep in a metal container such as aluminum, as there is a hazardous possibility like leakage or explosion.

Recommendation for storage

Keep the agent away from direct sunlight and store it in a cool place with the plug of container tightly closed. Keep out of the reach of children.

8. Exposure Control/Personal Protection

Exposure controls

Appropriate engineering controls

Good general ventilation should be sufficient for most conditions.

Install a facility for washing hands, eyes or bodies near the handling place. Put a notice to indicate there is such a facility.

Individual protection measures

Respiratory protection Wear a protective mask.
Hand protection Wear suitable gloves such as rubber gloves.
Eye protection Wear protective eyeglasses or safety goggle.
Skin and body protection Protective boots, protective clothes, protective rubber apron if necessary.

9. Physical and Chemical Properties

Appearance : Colorless transparent solution
pH : 2.3（central value）
Specific gravity : 1.04 (central value)
Solubility : Dissolvable in water and hot water
Odor : Almost none
The boiling point, Initial boiling point and boiling range : No data
Flash point : Incombustibility
Upper and lower limits of the combustion or explosion range : Incombustibility
Vapor pressure : No data
Spontaneous ignition temperature : Incombustibility

10. Stability and Reactivity

Chemical stability

Stable under the normal storage/handling condition. This material generates heat if contacted by alkali substance.

Possibility of hazardous reactions

Metallic tools other than stainless steel (SUS304, 316) may be affected. Before using, be sure to have a test of any metals.

Conditions to avoid

Sunlight, heat

11. Toxicological Information

Information on toxicological effects

Acute toxicity	Acute toxicity estimate 8400mg/kg (Calculated value)
Irritant properties	
Skin corrosion/irritation	No data available yet.
Serious eye damage /irritation	No data available yet.
Allergenic and sensitizing effects	May cause an allergic skin reaction.
Carcinogenicity	No data available yet.
Mutagenicity	No data available yet.

12. Ecological Information

Ecotoxicity

Aquatic toxicity	No data available yet.
Persistence and degradability	No data available yet.
Bioaccumulative potential	No data available yet.
Other adverse effects	No data available yet.

13. Disposal Considerations

Waste treatment methods

Dispose content or container under local/state regulations.
This substance is acidic. Dilute this substance with a large amount of water before disposing. Or,

gradually neutralize it with some alkali substance and then discharge with a large amount of water.
In case of bulky lot, ask a professional industrial waste disposing company.

14. Transport Information

Special precautions in connection with transport or conveyance

In transporting the product, keep away from direct sunlight, check to see that no leakage from the container occurs. Load the containers so that they may not topple over, fall down, or be damaged, and take measures against collapse of the pile of the containers.

International rule

United Nation's classification / United Nation's number : Not applicable
IATA Dangerous Goods Regulations : Not restricted

15. Regulatory Information

Industrial Safety and Health Law, Japan : Chemical name et al should be informed Not applicable
(Clause 57, item 2, enforcement regulations No.18, item 2 Attached list No.9)
Poisonous and Deleterious Substances Control Law, Japan : Not applicable
Pollution Release and Transfer Register (PRTR) Law, Japan : Not applicable
Fire service law, Japan : Not applicable
Dangerous Substances Shipping and Storage Rules, Japan : Not applicable
Civil Aeronautics Law, Japan : Not applicable
REACH regulation : SVHC list 174 substances,
Not applicable

16. Other Information/References

Reference Book

Globally Harmonized System of classification and labelling of chemicals, (5th Ed., 2013), UN
Recommendations on the TRANSPORT OF DANGEROUS GOODS 18th edit. 2013 UN
Classification, labelling and packaging of substances and mixtures (table3-1 ECNO6182012)
2012 EMERGENCY RESPONSE GUIDEBOOK(US DOT)
2015 TLVs and BEIs. (ACGIH)
http://monographs.iarc.fr/ENG/Classification/index.php
JIS Z 7253:2012 Hazard communication of chemicals based on GHS-Labelling and Safety Data Sheet (SDS)
Supplier's data/information

About the limiting of the responsibility:

The contents mentioned have been prepared based on the materials, information and data presently available. It therefore, may be revised according to any newly obtained information or knowledge from time to time. It does not guarantee the correctness and perfection of information or performance of any product. Any precautions given therein are for an ordinary handling. If a special handling is to be taken, be sure to provide with suitable safety measure on new use/usage.
The notification given therein regarding the danger and toxicity may not be sufficient, so handle such item very carefully.
The basis for calculating the GHS classification categories described here is the EU Publication Data at the present time (EU CLP published in 01.06.2015).