



JUNSEI

Material safety data sheet

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Catalog Numbers: 45133

Catalog Name: (JCSS) Phosphate equimolal pH standard solution, p H 6.86

Company Identification:

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CREATION DATE: December 12, 2012

SECTION 2 HAZARDS IDENTIFICATION

Physical and chemical hazard

Flammable liquids : Out of category

Pyrophoric liquids : Out of category

Self-reactive substances and mixtures

: Out of category

GHS label elements including precautionary statements

Symbol : -

Signal ward : -

Hazard statement : -

Precautionary statements : -

SECTION 3 COMPOSITION, INFORMATION ON INGREDIENTS

Substance/Mixture : Mixture

Ingredient 1

Component : Potassium Phosphate, Monobasic

Chemical formula : $K H_2 P O_4$

Cas number : 7778-77-0

US TSCA inventory : Registered

EC number (EINECS): 231-913-4

JAPAN number (ENCS): 1-452

Content: 0.34 %

Ingredient 2

Component : Sodium Phosphate, Dibasic

Chemical formula : $Na_2 H P O_4$

Cas number : 7558-79-4
US TSCA inventory : Registered
EC number (EINECS): 231-448-7
JAPAN number (ENCS): 1-497
Content: 0.35 %

Ingredient 3

Component : Thymol
Chemical formula : C₁₀H₁₄O
Cas number : 89-83-8
US TSCA inventory : Registered
EC number (EINECS): 201-944-8
JAPAN number (ENCS): 3-521, 4-57
Content: 0.02 %

Ingredient 4

Component : Water
Chemical formula : H₂O
Cas number : 7732-18-5
US TSCA inventory : Registered
EC number (EINECS): 231-791-2
Content: 99.29 %

SECTION 4 FIRST AID MEASURES

If inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately Call a POISON CENTER or doctor/physician.
If on skin : Rinse skin with plenty of /shower for at least 15 minutes while removing contaminated clothing and shoes.
If in eyes : Rinse cautiously with plenty of water for at least 30 minutes , immediately call a Poison Center or doctor/physician.
If swallowed : Rinse mouth, Do not induce vomiting.
Immediately Call a POISON CENTER or doctor/physician.

SECTION 5 FIRE FIGHTING MEASURES

This product is noncombustible.
Extinguishing media : Water spray, dry chemical powder, alcohol-resistant foam, carbon dioxide.
Prohibited extinguishing media : No data available.
Particular fire fighting : Move containers form fire area if it can be done without risk, if not possible, apply water form a safe distance to cool and protect surrounding area.
Protection for firefighters : Firefighters should wear protective equipment.

SECTION 6 ACCIDENTAL RELEASE MEASURES

General Information : Use proper personal protective equipment as indicated in Section 8.
Cautions for environment : Avoid release to the rivers, lakes, ocean, groundwater.
Spills/Leak : Absorb spills with absorbent (vermiculite, sand , fuller's earth) and place into a suitable disposal container for later disposal.

SECTION 7 HANDLING AND STORAGE

Handling: : Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

Use only in a chemical fume hood.

Storage : Store locked up. Store in a cool. Store in well-ventilated place.

Store in a tightly closed container.

SECTION 8 EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls : Use adequate ventilation to keep airborne concentrations low.

ACGIH (2010) : Not established

OELs (2011) : Not established

Personal protective equipment :

Eye Protection : Goggles

Hand Protection : Protective gloves

Skin and body protection : Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection : Wear respiratory protection.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State : Liquid

Appearance : Clear colorless

Odor : Odorless

pH : 6.86 ± 0.015 (25)

Vapor Pressure : No data available.

Viscosity : No data available.

Boiling Point : about 100

Freezing/Melting Point : about 0

Autoignition Temperature : No data available.

Flash Point : No data available.

Explosion Limits, lower : No data available.

Explosion Limits, upper : No data available.

Decomposition Temperature : No data available.

Solubility in water : miscible

Specific Gravity/Density : about 1 (20)

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability : Stable in ordinary handling conditions.

Conditions to Avoid : Contact with light, heat and carbon dioxide

Incompatibilities with Other Materials : Water-reactive material

Hazardous Decomposition Products: Phosphorus oxide, potassium compounds and sodium compounds.

Hazardous Polymerization : Will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute toxicity:

Oral : Not possible to classify because of no data.

Dermal : Not possible to classify because of no data.

Gas : Not applicable (GHS definition).

Vapours : Not possible to classify because of no data.

Dusts and mists : Not possible to classify because of no data.

Skin corrosion/Irritation: Not possible to classify because of no data.

Serious eye damage/eye irritation: Not possible to classify because of no data.

Respiratory sensitization: Not possible to classify because of no data.

Skin sensitization: Not possible to classify because of no data.

Mutagenicity: Not possible to classify because of no data.

Carcinogenic effects: Not possible to classify because of no data.

Effects on the reproductive system: Not possible to classify because of no data.

Specific target organ systemic toxicity single exposure.

: Not possible to classify because of no data.

Specific target organ systemic toxicity repeated exposure

: Not possible to classify because of no data.

Aspiration hazard : Not possible to classify because of no data.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity:

Hazardous to the aquatic environment (acute)

: Not possible to classify because of no data.

Hazardous to the aquatic environment (chronic)

: Not possible to classify because of no data.

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

SECTION 14 TRANSPORT INFORMATION

Not regulated for transport.

SECTION 15 REGULATORY INFORMATION

Fire Service Act : Not regulated

Poisonous and Deleterious Substances Control Act : Not regulated

Industrial Safety and Health Act : Not regulated

SECTION 16 OTHER INFORMATION

REFERENCES:

- The Merck Index 14 edition, Monographs

- No. 7659(Potassium Phosphate, Monobasic)
- No. 8659(Sodium Phosphate, Dibasic)
- No. 9399(Thymol)
- Registry of Toxic Effects of Chemical Substances,
 - No. WC4500000 (Sodium monohydrogen phosphate (2:1:1)),
 - No. TC6615500 (Phosphoric acid, monopotassium salt)
 - No. XP2275000 (Thymol)
- Chemical Risk Information Platform (CHRIP)
- Information about the status of the implementation of GHS in Japan
(ID= 20A2147 (Thymol))
- International Chemical Safety Cards (ICSC) No. 1608 (POTASSIUM DIHYDROGEN PHOSPHATE)

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

Junsei Chemical Co.,Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.