

DKK-TOA CORPORATION
 MSDS No. BT021-4
 PRODUCT NAME: PHTHALATE PH STANDARD SOLUTION PH4.01

Created: Nov. 04, 1998
 Revised: Jul. 10, 2008

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND MANUFACTURER

Product Name: Phthalate pH Standard Solution pH 4.01
 Product code: 143F191
 Manufacturer: DKK-TOA CORPORATION
 Address: 29-10, 1-Chome, Takadanobaba, Shinjuku-ku, Tokyo 169-8648 Japan
 Department: Production Dept.
 Phone: +81-4-2957-6153
 Fax: +81-4-2957-6864

2. HAZARD IDENTIFICATION

Critical hazard information

Hazardous effect to human health: None.
 Environmental impact: None
 Physical or chemical hazard: No problem, Nonflammable

Specific hazard identification

Hazard Class: Not listed

3. COMPOSITION, CONSTITUENTS

FORM: Mixture

Chemical name	Potassium hydrogen phthalate	Water
Content	1%	> 99%
Chemical formula	$C_6H_4(COOK)(COOH)$	H_2O
Existing chemical substances (METI)	3-1342	-
CAS No.	877-24-7	7732-18-5

4. FIRST AID MEASURES

Inhalation: Blow nose and gargle.
 Skin contact: Rinse the skin with a large amount of water.
 Eye contact: Immediately flush out the eye well with running water for at least 15 minutes.
 Ingestion: Give a large amount of water. Get medical treatment, if necessary.

5. FIREFIGHTING MEASURES

Extinguishing media: Nonflammable
 Firefighting: In case of peripheral fire, immediately move the container to a place of safety.
 Otherwise, spray water on the container and its surroundings to cool down.

DKK-TOA CORPORATION
 MSDS No.: E1022-4
 PRODUCT NAME: NEUTRAL PHOSPHATE PH STANDARD SOLUTION PH6.86

Created: June. 12, 1999
 Revised: Jul. 10, 2008

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND MANUFACTURER

Product Name: Neutral Phosphate pH Standard Solution pH 6.86
 Product code: 143F192
 Manufacturer: DKK-TOA CORPORATION
 Address: 29-10, 1-Chome, Takadanobaba, Shinjuku-ku, Tokyo 169-8648 Japan
 Department: Production Dept.
 Phone: +81-4-2957-6153
 Fax: +81-4-2957-6864

2. HAZARD IDENTIFICATION

Critical hazard information

Hazardous effect to human health: None.
 Environmental impact: None
 Physical or chemical hazard: No problem, Nonflammable

Specific hazard identification

Hazard Class: Not listed

3. COMPOSITION, CONSTITUENTS

FORM: Mixture

Chemical name	Potassium dihydrogenphosphate	Disodium hydrogenphosphate	Water
Content	0.3%	0.4%	> 99%
Chemical formula	KH_2PO_4	Na_2HPO_4	H_2O
Exiting chemical substances (METI)	1-452	1-497	-
CAS No.	7778-77-0	7558-79-4	7732-18-5

4. FIRST AID MEASURES

Inhalation: Blow nose and gargle.
 Skin contact: Rinse the skin with a large amount of water.
 Eye contact: Immediately flush out the eye well with running water for at least 15 minutes.
 Ingestion: Give a large amount of water. Get medical treatment, if necessary.

5. FIREFIGHTING MEASURES

Extinguishing media: Nonflammable
 Firefighting: In case of peripheral fire, immediately move the container to a place of safety.
 Otherwise, spray water on the container and its surroundings to cool down.

DKK-TOA CORPORATION
 MSDS No.: E1023-3
 PRODUCT NAME: BORATE PH STANDARD SOLUTION PH 9.18

Created: Nov. 4, 1998
 Revised: Dec. 28, 2004

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND MANUFACTURER

Product Name: Borate pH Standard Solution (pH 9.18)
 Manufacturer: DKK-TOA CORPORATION
 Address: 29-10, 1-Chome, Takadanobaba, Shinjuku-ku, Tokyo 169-8648 Japan
 Department: Sensor Technology Dept.
 Phone: +81-4-2957-6154
 Fax: +81-4-2957-6864

2. COMPOSITION, CONSTITUENTS

FORM: Solution

Chemical name	Sodium Tetraborate Decahydrate
Content	0.38%
Chemical formula	$\text{Na}_2\text{B}_4\text{O}_7 \cdot \text{H}_2\text{O}$
Existing chemical substances (MITI)	1-69
CAS No.	1303-96-4

3. HAZARD IDENTIFICATION

Critical hazard information

Hazardous effect to human health: May cause nausea, stomachache, diarrhea, etc if a large amount of the material is ingested.

Environmental impact: No data

Physical or chemical hazard: No problem, Nonflammable

Specific hazard identification

Hazard Class: Not listed

4. FIRST AID MEASURES

Skin contact: Rinse the skin with a large amount of water.

Eye contact: Immediately flush out the eye well with running water for at least 15 minutes.

Ingestion: Give a large amount of water. Get medical treatment.

5. FIREFIGHTING MEASURES

Firefighting: Nonflammable

Extinguish media: In case of peripheral fire, immediately move the container to a place of safety. Otherwise, spray water on the container and its surroundings to cool down.