

Safety Data Sheet (SDS)

Printing date 05/08/2015

Prepared on 05/08/2015

1. Product and Company Identification

- **Product identifier**
- **Trade name:** PP CLEAN H, Fountain Solution
- **Item Number/Size:**
 #71G: 1-Gallon Bottle, #71-5C: 5-Gallon Pail, #71-53D: 53-Gallon Drum
- **Relevant identified uses of the substance or mixture and uses advised against**
 Water Base Mixture/Preparation – Fountain Solution Concentrate for Lithographic Printing Use
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 Nikken Chemical Laboratory Co., Ltd.
 Sakae 2-16-1, Naka-Ku, Nagoya, Aichi 460-0008, Japan
 overseas@nikken-chemical.co.jp www.nikken-chemical.co.jp
 Ph. +81-52-220-1398 Fax +81-52-219-2495 for product information
- **Emergency telephone number:** Infotrac: 1-800-535-5053, 1-352-326-2510

2. Hazard(s) identification

- **GHS classification and label elements of the product:** Not applicable
- **Hazard pictogram(s):** None
- **Signal word:** None
- **Hazard statement(s):** None
- **Precautionary statement(s):** None

3. Composition/information on ingredients

- **Substance/Preparation:** Preparation

Ingredient name	content(%)	CAS No.	ECNO
Phytic acid	1 – 10	83-86-3	201-506-6
Adipic acid	1 – 10	124-04-9	204-673-3
Malonic acid	1 – 10	141-82-2	205-503-0
Water	70 – 80	7732-18-5	231-791-2

4. First-aid measures

- **General information:**
 Call a POISON CENTRE or doctor/physician if you feel unwell.
- **IF INHALED:**
 Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
- **IF ON SKIN(or hair):**
 Immediately take off contaminated clothing and rinse skin (and/or hair) with plenty of soap and water. If skin irritation occurs, get medical advice/attention. Wash contaminated clothing before reuse.
- **IF IN EYES:**
 Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
- **IF SWALLOWED:**
 Never give anything by mouth to an unconscious person. Rinse mouth with water. Do not induce vomiting. Get medical advice/attention.
- **Protective measures for first aid:**
 Do not touch the victim directly. And wear the protective equipment.

5. Fire-fighting measures

- **Suitable extinguishing media:**
 In case of fire, use foam, dry powder, CO2.
- **Specific fire-fighting measures:**
 Apply water from a safe distance to cool and protect surrounding area. Stand at upwind and do the fire-fighting, to avoid breathing toxic gas.



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Do not discharge water of extinguishing to flow out to the environment and take the appropriate.

· **Special protective equipment and precautions for fire-fighters:**

Wear the protective equipment.

6. Accidental release measures

· **Personnel precautions, protective equipment and emergency procedures:**

Wear proper protective equipment.

Eliminate all sources of ignition and ventilate the area.

Stand at upwind. Evacuate personnel at downwind.

· **Environmental precautions:**

Prevent spills from entering sewers, watercourses or low areas.

· **Methods and materials for neutralization, containment and cleaning up:**

Absorb spill with inert material (dry sand, earth, et al), then place in a chemical waste container.

7. Handling and storage

· **Precautions for safe handling**

Do not breathe dust/fume/gas/mist/vapors/spray.

· **Preventive measures:**

(Protective measures against fire & explosion)

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

· **Safety Measures/Incompatibility:**

Wear protective gloves.

Wear protective gloves and face protection.

Wear eye protection/face protection.

Wash hands et al thoroughly after handling.

· **Conditions for safe storage, including any incompatibilities**

· **Recommendation for storage:**

Store in a well-ventilated place. Keep container tightly closed. Protect from sunlight. Do not expose to temperatures exceeding 122F° (=50° C). Do not store at temperatures below 32F° or 0° C.

· **Incompatible storage condition:**

Store away from strong acids, strong bases, oxidizing agents.

8. Exposure controls/personal protection

Control parameters e.g. occupational exposure limit values or biological limit values

Adopted value

(Triethanolamine)

ACGIH(1996) TWA 50ppm, 5mg/m³

· **Appropriate engineering controls:**

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

Provide hand & eyewash station.

· **Protective equipment:**

Respiratory protection: In case of inadequate ventilation wear respiratory protection.

Hand protection: Wear protective gloves.

Eye protection: Wear eye protection.

Skin and body protection: Wear protective clothing.

· **Safety and Health measures:**

Wash hands thoroughly after handling.

Take off contaminated clothing and wash before reuse.



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9. Physical and chemical properties

· **Physical properties:**

Appearance: Light Tan Clear Liquid

Form: Liquid

Color: Light Tan (Clear)

Odor: Mild glycol odor

pH: No data

Flash point: Not flammable

Solubility (water): Soluble (100%)

Specific gravity: No data

10. Stability and reactivity

This product is stable and non-reactive under normal conditions of use, storage and transport.

Hazardous decomposition products: No hazardous decomposition products are known.

11. Toxicological information

· **Symptoms related to the physical, chemical and toxicological characteristics:**

No Allergenic and sensitizing effects data available

No Mutagenic effects data available

No Teratogenic effects data available

No Carcinogenic effects data available

No Aspiration hazard data available

Reproductive toxicity: This product is not expected to cause reproductive or development effects.

Chronic effects: Prolonged inhalation may be harmful. May be harmful if absorbed through skin.

Toxicological information: Occupational exposure to the substance or mixture may cause adverse effects.

12. Ecological information

There is no experimentally determined data available on the preparation (product) itself.

· **Ecotoxicity**

No data available.

· **Water solubility**

No data available.

· **Persistence and degradability**

(Adipic acid)

BOD Degradation : 81% (Registered chemicals data check & review, Japan)

· **Bioaccumulative potential**

(Adipic acid)

log Pow=0.08 (PHYSPROP Database, 2005)

No Mobility in soil data available

Known or predicted distribution to environmental compartments: No data available

Results of PBT and vPvB assessment: No data available

No ozone depleting chemical data available

Other adverse effects : No data available

13. Disposal considerations

· **Disposal methods:**

Avoid release to the environment (- if this is not the intended use).

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

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14. Transport information

· **Regulatory information:**

· UN No, UN CLASS

Not applicable to Un NO.

· USDOT

Not classified as a dangerous good under transport regulations.

· IMDG

Not classified as a dangerous good under transport regulations.

· IATA/ICAO

Not classified as a dangerous good under transport regulations.

15. Regulatory information

· GHS classification and labeling: Not applicable

Toxic Substance Control Act (TSCA) Inventory Status:

The components of this product are listed or have been registered for inclusion on the Section 8(B) Chemical Substance Inventory List (40 CFR 710).

16. Other information

· Reference Book

Globally Harmonized System of classification and labelling of chemicals, (4th ed., 2011), 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)

2014 TLVs and BEIs. (ACGIH)

<http://monographs.iarc.fr/ENG/Classification/index.php>

Supplier's data/information

Notice to reader

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The GHS classification data given here is based on current EU official data.