

1 Identification

- **Product identifier**
- **Trade name:** 226-39 FOUNTAIN SOLUTION
- **Article number:** HG13
- **Application of the substance / the mixture** Wetting Agent
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Printers' Service, Inc.
26 Blanchard Street
Newark, NJ 07105
- **Information department:** 1-973-589-7800, Prisco email address - safety@prisco.com
- **Emergency telephone number:** CHEMTREC (24 hr) 1-800-424-9300

2 Hazard(s) identification

- **Classification of the substance or mixture**



Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2A H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard-determining components of labeling:**
TSRN3456 Surfactant
5-chloro-2-methyl-2H-isothiazol-3-one
malic acid
- **Hazard statements**
Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
- **Precautionary statements**
Avoid breathing dust/fume/gas/mist/vapors/spray
Wear protective gloves.
Wear eye protection / face protection.
Wash thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
Specific treatment (see on this label).
Wash contaminated clothing before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
IF ON SKIN: Wash with plenty of water.
Take off contaminated clothing and wash it before reuse.

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Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

* 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 112-34-5	diethylene glycol monobutyl ether	10 - 20%
RTECS: KJ 9100000		
CAS: 57-55-6	propylene glycol	10 - 20%
RTECS: TY 2000000		
CAS: 182211-02-5	TSRN3456 Surfactant	2.5 - 5%
CAS: 6915-15-7	malic acid	≤ 2.5%
CAS: 1310-73-2	sodium hydroxide	≤ 2.5%
CAS: 64-19-7	acetic acid	≤ 2.5%
RTECS: AF 1225000		
CAS: 26172-55-4	5-chloro-2-methyl-2H-isothiazol-3-one	≤ 2.5%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

* 4 First-aid measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:**
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
Immediately rinse with water.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.

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- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

* **5 Fire-fighting measures**

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

* **6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust) and place into removal containers
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Store in cool, dry place in tightly closed receptacles.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

* **8 Exposure controls/personal protection**

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the other constituents have no known exposure limits.
- **112-34-5 diethylene glycol monobutyl ether**
TLV Long-term value: 67.5* mg/m³, 10* ppm
*Inhalable fraction and vapor

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57-55-6 propylene glycolWEEL Long-term value: 10 mg/m³**1310-73-2 sodium hydroxide**PEL Long-term value: 2 mg/m³REL Ceiling limit value: 2 mg/m³TLV Ceiling limit value: 2 mg/m³**64-19-7 acetic acid**PEL Long-term value: 25 mg/m³, 10 ppmREL Short-term value: 37 mg/m³, 15 ppmLong-term value: 25 mg/m³, 10 ppmTLV Short-term value: 37 mg/m³, 15 ppmLong-term value: 25 mg/m³, 10 ppm

- **Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

- **Breathing equipment:**

In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Suitable respiratory protective device recommended, but not necessary if room is well-ventilated.

- **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Material of gloves**

To find the recommended glove material to use when handling Prisco® pressroom chemistry we advise to visit www.prisco.com. Choose location & preferred language and go to the "Support" drop-down box where you select: "Safety Glove Recommendation". Now click on the PDF-hyperlink to obtain the document in the language of your preference.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Tightly sealed goggles

* 9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form: Liquid

Color: Green

· **Odor:** Characteristic

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- **Odor threshold:** Not determined.
- **pH-value at 20 °C (68 °F):** 4.6
- **Change in condition**
 - Melting point/Melting range:** Not Applicable
 - Boiling point/Boiling range:** 100 °C (212 °F)
- **Flash point:** >100 °C (>212 °F)
- **Flammability (solid, gaseous):** Not applicable.
- **Ignition temperature:** 225 °C (437 °F)
- **Decomposition temperature:** Not information available
- **Auto igniting:** Product is not selfigniting.
- **Danger of explosion:** In use, may form flammable/explosive vapour-air mixture.
- **Explosion limits:**
 - Lower:** 0.9 Vol %
 - Upper:** 12.6 Vol %
- **Vapor pressure at 20 °C (68 °F):** 23 hPa (17 mm Hg)
- **Density at 20 °C (68 °F):** 1.04 g/cm³ (8.679 lbs/gal)
- **Relative density** Not determined.
- **Vapor density** Not determined.
- **Evaporation rate** Not determined.
- **Solubility in / Miscibility with**
 - Water:** Soluble
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - Dynamic:** Not applicable.
 - Kinematic:** Not determined.
- **Solvent content:**
 - VOC content** 307.6 g/l / 2.57 lb/gl
- **Other information** No further relevant information available.

* 10 Stability and reactivity

- **Reactivity** Avoid strong oxidizing agents, strong bases and strong acids.
- **Chemical stability** Stable under normal conditions
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**
 - Carbon monoxide and carbon dioxide
 - Nitrogen oxides

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* **11 Toxicological information**

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**

57-55-6 propylene glycol

Oral LD50 21000 mg/kg (rat)

Dermal LD50 20800 mg/kg (rabbit)

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:
Product may cause irritation.

- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)**

Possibly carcinogenic to humans

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
 - **Aquatic toxicity:** No further relevant information available.
 - **Persistence and degradability** No further relevant information available.
 - **Behavior in environmental systems:**
 - **Bioaccumulative potential** No further relevant information available.
 - **Mobility in soil** No further relevant information available.
 - **Additional ecological information:**
 - **General notes:**
- Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.
 - **Other adverse effects** No further relevant information available.

* **13 Disposal considerations**

- **Waste treatment methods**
- **Recommendation:**

Product must not be disposed of together with household refuse. Do not allow product to reach sewage system.

- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

* **14 Transport information**

- **DOT, ADN** Non regulated

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- *UN proper shipping name*
- *DOT, ADR, ADN* Non regulated
- *Transport hazard class(es)*
- *DOT, ADR, ADN*
- *Class* Non regulated
- *Packing group*
- *DOT, ADR* Non regulated
- *Environmental hazards:* Not applicable.
- *Special precautions for user* Not applicable.
- *Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code* Not applicable.
- *UN "Model Regulation":* Non regulated

* 15 Regulatory information

- *Safety, health and environmental regulations/legislation specific for the substance or mixture*
- *Sara*
- *Section 355 (extremely hazardous substances):*

None of the ingredient is listed.
- *Section 313 (Specific toxic chemical listings):*

112-34-5 diethylene glycol monobutyl ether
6484-52-2 ammonium nitrate
TSRN2088 nitrate solution
- *TSCA (Toxic Substances Control Act):*

All ingredients are listed.
- *Proposition 65*
- *Chemicals known to cause cancer:*

None of the ingredients is listed.
- *Chemicals known to cause reproductive toxicity for females:*

None
- *Chemicals known to cause reproductive toxicity for males:*

None
- *Chemicals known to cause developmental toxicity:*

None
- *Carcinogenicity categories*
- *EPA (Environmental Protection Agency)*

None of the ingredients is listed.
- *TLV (Threshold Limit Value established by ACGIH)*

None of the ingredients is listed.
- *MAK (German Maximum Workplace Concentration)*

None of the ingredients is listed.
- *NIOSH-Ca (National Institute for Occupational Safety and Health)*

None of the ingredients is listed.
- *National regulations:*
- *Water hazard class:* Water hazard class 1 (Self-assessment): slightly hazardous for water.
- *Chemical safety assessment:* A Chemical Safety Assessment has not been carried out.

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16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Contact:** CHEMTREC (24hr) 1-800-424-9300, Printers Service 1-973-589-7800
- **Date of preparation / last revision** 11/02/2016 / -

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

Skin Sens. 1: Skin sensitisation – Category 1

- *** Data compared to the previous version altered.**

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