SAFETY DATA SHEET
PRESS CONTROL EWM (USA)

1. Identification

Product identifier
Product name PRESS CONTROL EWM (USA)

Recommended use of the chemical and restrictions on use
Application For use as a fountain solution in the lithographic printing industry. Fountain solution.
Uses advised against No specific uses advised against are identified.

Details of the supplier of the safety data sheet
Supplier ALLIED PRESSROOM PRODUCTS
2040 Lee Street
Hollywood
FL 33020
USA
+1 800-327-8487 (09:00-17:00 EST)
+1 954-923-6462
info@alliedchem.com

Manufacturer Same as supplier

Emergency telephone number
Emergency telephone Allied Pressroom Products +1 800-327-8487 (09:00-17:00 EST) 24 HR. EMERGENCY TELEPHONE 800-424-9300 CHEMTREC
National emergency telephone number 911

2. Hazard(s) Identification

Classification of the substance or mixture
Physical hazards Not Classified
Health hazards Eye Irrit. 2A - H319 Skin Sens. 1 - H317
Environmental hazards Not Classified

Human health The product contains a sensitizing substance. May cause skin sensitization or allergic reactions in sensitive individuals. Irritating to eyes.

Label elements

Pictogram

Signal word Warning
## PRESS CONTROL EWM (USA)

### Hazard statements
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.

### Precautionary statements
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P302+P352 If on skin: Wash with plenty of water.
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P501 Dispose of contents/container in accordance with national regulations.

### Contains
- 1,2-benzisothiazol-3(2H)-one

### Other hazards
This substance is not classified as PBT or vPvB according to current EU criteria.

### 3. Composition/information on ingredients

#### Mixtures

<table>
<thead>
<tr>
<th>Substance</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-BUTOXYETHANOL</td>
<td>5-10%</td>
</tr>
<tr>
<td>DL-malic acid</td>
<td>1-5%</td>
</tr>
<tr>
<td>1,2-benzisothiazol-3(2H)-one</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>chromium hydroxide sulphate</td>
<td>&lt;1%</td>
</tr>
</tbody>
</table>

#### Classification

- 2-BUTOXYETHANOL:
  - Flam. Liq. 4 - H227
  - Acute Tox. 4 - H302
  - Acute Tox. 4 - H312
  - Acute Tox. 4 - H332
  - Skin Irrit. 2 - H315
  - Eye Irrit. 2A - H319

- DL-malic acid:
  - Eye Irrit. 2 - H319

- 1,2-benzisothiazol-3(2H)-one:
  - Acute Tox. 4 - H302
  - Skin Irrit. 2 - H315
  - Eye Dam. 1 - H318
  - Skin Sens. 1 - H317

- chromium hydroxide sulphate:
  - Acute Tox. 4 - H332
PRESS CONTROL EWM (USA)

The Full Text for all Hazard Statements are Displayed in Section 16.

4. First-aid measures

Description of first aid measures

Inhalation Move affected person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues.

Skin Contact Remove affected person from source of contamination. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.

Eye contact Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Most important symptoms and effects, both acute and delayed

Inhalation Vapors may cause headache, fatigue, dizziness and nausea.

Ingestion May cause stomach pain or vomiting. Ingestion of large amounts may cause unconsciousness.

Skin contact Allergic rash.

Eye contact Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.

Indication of immediate medical attention and special treatment needed

Notes for the doctor No specific recommendations.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

Special hazards arising from the substance or mixture

Specific hazards No unusual fire or explosion hazards noted.

Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Oxides of nitrogen.

Advice for firefighters

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground.

Methods and material for containment and cleaning up

Methods for cleaning up Wash thoroughly after dealing with a spillage. Absorb in vermiculite, dry sand or earth and place into containers.

Reference to other sections For waste disposal, see Section 13.
PRESS CONTROL EWM (USA)

7. Handling and storage

Precautions for safe handling

Usage precautions
Avoid spilling. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapors.

Conditions for safe storage, including any incompatibilities

Storage precautions
Store in tightly-closed, original container in a dry, cool and well-ventilated place.

Specific end uses(s)
The identified uses for this product are detailed in Section 1.2.

8. Exposure Controls/personal protection

Control parameters

Occupational exposure limits

2-BUTOXYETHANOL
A3, Sk
Long-term exposure limit (8-hour TWA): ACGIH 20 ppm
Long-term exposure limit (8-hour TWA): OSHA 50 ppm 240 mg/m³

chromium hydroxide sulphate
Long-term exposure limit (8-hour TWA): OSHA 0.5 mg/m³ as Cr

A3 = Confirmed Animal Carcinogen with Unknown Relevance to Humans.
Sk = Danger of cutaneous absorption.
ACGIH = American Conference of Governmental Industrial Hygienists.
OSHA = Occupational Safety and Health Administration.

2-BUTOXYETHANOL (CAS: 111-76-2)

DNEL
Industry - Inhalation; Long term systemic effects: 20 ppm Industry - Dermal; Short term systemic effects: 89 mg/kg/day Industry - Inhalation; Short term systemic effects: 135 ppm Industry - Inhalation; Short term local effects: 50 ppm Industry - Dermal; Long term systemic effects: 75 mg/kg/day

PNEC
- Marine water: 0.88 mg/l - Sediment (Freshwater): 43.6 mg/kg - Soil: 2.8 mg/kg - STP: 463 mg/l - Sediment (Marine water): 3.46 mg/kg - Fresh water: 8.8 mg/l

Immediate danger to life and health
700 ppm

Mono Propylene Glycol (CAS: 57-55-6)

DNEL
Industry - Inhalation; Long term systemic effects: 168 mg/m³ Industry - Inhalation; Long term local effects: 10 mg/m³

PNEC
- Sediment (Marine water): 57.2 mg/kg - Soil: 50 mg/kg - Fresh water: 260 mg/l - STP: 20000 mg/l - Marine water: 26 mg/l - Sediment (Freshwater): 572 mg/kg - Intermittent release: 183 mg/l

Exposure controls

Protective equipment

4/13
PRESS CONTROL EWM (USA)

Appropriate engineering controls
No specific ventilation requirements.

Eye/face protection
Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

Hand protection
Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Wear protective gloves made of the following material: Butyl rubber. Nitrile rubber.

Other skin and body protection
Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures
Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke. Do not smoke in work area.

Respiratory protection
No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear liquid.</td>
</tr>
<tr>
<td>Color</td>
<td>Dark. Purple.</td>
</tr>
<tr>
<td>Odor</td>
<td>Glycol ether.</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No information available.</td>
</tr>
<tr>
<td>pH</td>
<td>pH (concentrated solution): 3-4</td>
</tr>
<tr>
<td>Melting point</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Initial boiling point and range</td>
<td>212°F @ 760 mm Hg</td>
</tr>
<tr>
<td>Flash point</td>
<td>None &lt;200°F TCC (Tag closed cup).</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>&lt;1 (butyl acetate = 1)</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>No information available.</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>&lt;3 mm Hg @ 20°C</td>
</tr>
<tr>
<td>Vapour density</td>
<td>&gt;1</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.02 @ 20°C</td>
</tr>
<tr>
<td>Bulk density</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Soluble in water.</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No information available.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No information available.</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No information available.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No information available.</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Not available.</td>
</tr>
</tbody>
</table>
PRESS CONTROL EWM (USA)

Comments
Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.

Volatile organic compound
This product contains a maximum VOC content of 142 g/litre. This product contains a maximum VOC content of 1.2 lb per Gallon.

10. Stability and reactivity

Reactivity
There are no known reactivity hazards associated with this product.

Stability
Stable at normal ambient temperatures.

Possibility of hazardous reactions
Will not polymerize.

Conditions to avoid
Avoid excessive heat for prolonged periods of time.

Materials to avoid

Hazardous decomposition products
Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2). Nitrous gases (NOx).

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral
Notes (oral LD₅₀)
Based on available data the classification criteria are not met.
ATE oral (mg/kg) 13,412.85

Acute toxicity - dermal
Notes (dermal LD₅₀)
Based on available data the classification criteria are not met.
ATE dermal (mg/kg) 11,349.33

Acute toxicity - inhalation
Notes (inhalation LC₅₀)
Based on available data the classification criteria are not met.
ATE inhalation (gases ppm) 46,429.1
ATE inhalation (vapours mg/l) 113.49
ATE inhalation (dusts/mists mg/l) 15.48

Skin corrosion/irritation
Animal data
Based on available data the classification criteria are not met.

Serious eye damage/irritation
Irritating to eyes.

Respiratory sensitisation
Based on available data the classification criteria are not met.

Skin sensitisation
Sensitizing.

Germ cell mutagenicity
Genotoxicity - in vitro
Based on available data the classification criteria are not met.
PRESS CONTROL EWM (USA)

Carcinogenicity
Based on available data the classification criteria are not met.

Reproductive toxicity
Reproductive toxicity - fertility
Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure
STOT - single exposure
Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure
STOT - repeated exposure
Based on available data the classification criteria are not met.

Aspiration hazard
Not anticipated to present an aspiration hazard, based on chemical structure.

Inhalation
Vapours may cause drowsiness and dizziness.

Ingestion
May cause stomach pain or vomiting. Ingestion of large amounts may cause unconsciousness.

Skin Contact
May cause sensitisation by skin contact. Contains components which may penetrate the skin.

Eye contact
Irritating to eyes.

Route of entry
Skin and/or eye contact Inhalation

Target Organs
Eyes Skin Central nervous system Respiratory system, lungs

Medical Symptoms
Irritation of eyes and mucous membranes. Skin irritation. Symptoms following overexposure may include the following: Nausea, vomiting. Central nervous system depression. Unconsciousness, possibly death. Drowsiness, dizziness, disorientation, vertigo.

12. Ecological Information

Ecotoxicity
Not known. The product contains a substance which is very toxic to aquatic organisms. However, this preparation has not been classified as hazardous to the environment using the conventional method calculation.

Toxicity
Acute toxicity - fish
Not known.

Acute toxicity - aquatic invertebrates
Not known.

Acute toxicity - aquatic plants
Not known.

Persistence and degradability
There are no data on the degradability of this product.

Bioaccumulative potential
Bio-Accumulative Potential
No data available on bioaccumulation.

Partition coefficient
No information available.

Mobility in soil
Mobility
The product is soluble in water.

Results of PBT and vPvB assessment
PRESS CONTROL EWM (USA)

Results of PBT and vPvB assessment
This substance is not classified as PBT or vPvB according to current EU criteria.

Other adverse effects
Not known.

13. Disposal considerations

Waste treatment methods

General information
When handling waste, the safety precautions applying to handling of the product should be considered.

Disposal methods
Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

14. Transport information

General
The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DoT).

UN Number
Not applicable.

UN proper shipping name
Not applicable.

Transport hazard class(es)
Not applicable.

Transport labels

Packing group
Not applicable.

Environmental hazards

Environmentally Hazardous Substance
No.

Special precautions for user
Not applicable.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable.

15. Regulatory information

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

ETHYLENE OXIDE
<0.01%

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

1,4-DIOXANE
<0.01%
PRESS CONTROL EWM (USA)

ETHYLENE OXIDE
<0.01%

ACETALDEHYDE
<0.01%

ETHANEDIOL
<0.1%

SODIUM HYDROXIDE
<1%

SARA Extremely Hazardous Substances EPCRA Reportable Quantities
Not listed.

SARA 313 Emission Reporting
chrome hydroxide sulphate
<1%

2-BUTOXYETHANOL
5-10%

CAA Accidental Release Prevention
ETHYLENE OXIDE
<0.01%

ACETALDEHYDE
<0.01%

FDA - Essential Chemical
Not listed.

FDA - Precursor Chemical
Not listed.

OSHA  Highly Hazardous Chemicals
ETHYLENE OXIDE
<0.01%

ACETALDEHYDE
<0.01%

US State Regulations
California Proposition 65 Carcinogens and Reproductive Toxins
1,4-DIOXANE
<0.01%

ETHYLENE OXIDE
<0.01%

ACETALDEHYDE
<0.01%

California Air Toxics "Hot Spots" (A-I)
1,4-DIOXANE
<0.01%
PRESS CONTROL EWM (USA)

ETHYLENE OXIDE
<0.01%

ACETALDEHYDE
<0.01%

ETHANEDIOL
<0.1%

2-BUTOXYETHANOL
5-10%

SODIUM HYDROXIDE
<1%

oxydipropanol
<1%

AMMONIUM NITRATE
<1%

California Air Toxics "Hot Spots" (A-II)
Not listed.

California Directors List of Hazardous Substances

1,4-DIOXANE
<0.01%

ETHYLENE OXIDE
<0.01%

ACETALDEHYDE
<0.01%

ETHANEDIOL
<0.1%

2-BUTOXYETHANOL
5-10%

SODIUM HYDROXIDE
<1%

Massachusetts "Right To Know" List

Distillates (petroleum), hydrotreated light naphthenic
<0.01%

1,4-DIOXANE
<0.01%

ETHYLENE OXIDE
<0.01%

ACETALDEHYDE
<0.01%

SODIUM SULPHATE
<0.1%

Glycerine
10-30%
PRESS CONTROL EWM (USA)

ETHANEDIOL  
<0.1%

2-BUTOXYETHANOL  
5-10%

SODIUM HYDROXIDE  
<1%

AMMONIUM NITRATE  
<1%

Rhode Island "Right To Know" List

1,4-DIOXANE  
<0.01%

ETHYLENE OXIDE  
<0.01%

ACETALDEHYDE  
<0.01%

Glycerine  
10-30%

ETHANEDIOL  
<0.1%

2-BUTOXYETHANOL  
5-10%

Mono Propylene Glycol  
1-5%

SODIUM HYDROXIDE  
<1%

AMMONIUM NITRATE  
<1%

Minnesota "Right To Know" List

1,4-DIOXANE  
<0.01%

ETHYLENE OXIDE  
<0.01%

ACETALDEHYDE  
<0.01%

Glycerine  
10-30%

ETHANEDIOL  
<0.1%

2-BUTOXYETHANOL  
5-10%

Mono Propylene Glycol  
1-5%

Propane-1,2-diol, propoxylated  
1-5%
PRESS CONTROL EWM (USA)

SODIUM HYDROXIDE
<1%
Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated
<1%

New Jersey "Right To Know" List

1,4-DIOXANE
<0.01%
ETHYLENE OXIDE
<0.01%
ACETALDEHYDE
<0.01%
Glycerine
10-30%
ETHANEDIOL
<0.1%
2-BUTOXYETHANOL
5-10%
Mono Propylene Glycol
1-5%
SODIUM HYDROXIDE
<1%
AMMONIUM NITRATE
<1%

Pennsylvania "Right To Know" List

1,4-DIOXANE
<0.01%
ETHYLENE OXIDE
<0.01%
ACETALDEHYDE
<0.01%
SODIUM SULPHATE
<0.1%
Glycerine
10-30%
ETHANEDIOL
<0.1%
2-BUTOXYETHANOL
5-10%
Mono Propylene Glycol
1-5%
SODIUM HYDROXIDE
<1%
oxypolypropanol
<1%
PRESS CONTROL EWM (USA)

AMMONIUM NITRATE
<1%

Inventories
Canada - DSL/NDSL
All the ingredients are listed or exempt.

DSL

US - TSCA
All the ingredients are listed or exempt.

US - TSCA 12(b) Export Notification

ACETALDEHYDE
<0.01%

16. Other information

Key literature references and sources for data
Material Safety Data Sheet, Misc. manufacturers.

Revision comments
NOTE: Lines within the margin indicate significant changes from the previous revision.

Issued by
J Waterfield

Revision date
6/12/2015

Revision
2.0

Supersedes date
4/1/2014

SDS No.
21324

Hazard statements in full
H227 Combustible liquid.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.

ACA HMIS Health rating.
Moderate hazard. (2)

ACA HMIS Physical hazard rating.
Normally stable. (0)

ACA HMIS Personal protection rating.
C

ACA HMIS Flammability rating.
Burns only if pre-heated. (1)

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.