Allied Pressroom Products
Chemicals for the International Printing Industry

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

2-BUTOXYETHANOL **5-10%**

CAS number: 111-76-2

Classification
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 **1-5%**

CAS number: 617-48-1

Classification
Eye Irrit. 2 - H319

1,2-benzisothiazol-3(2H)-one **<1%**

CAS number: 2634-33-5

M factor (Acute) = 10

Classification
Acute Tox. 4 - H302
Skin Irrit. 2 - H315
Eye Dam. 1 - H318
Skin Sens. 1 - H317

chromium hydroxide sulphate **<1%**

CAS number: 12336-95-7

Classification
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)

Specific end use(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 (Marinewater); 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 (Marinewater); 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

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

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

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	Strong oxidizing agents. Strong reducing agents. Strong alkalis.
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 LD_{50})	Based on available data the classification criteria are not met.
ATE oral (mg/kg)	13,412.85

Acute toxicity - dermal

Notes (dermal LD_{50})	Based on available data the classification criteria are not met.
ATE dermal (mg/kg)	11,349.33

Acute toxicity - inhalation

Notes (inhalation LC_{50})	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

Serious eye damage/irritation	Irritating to eyes.

Respiratory sensitisation

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

Skin sensitisation

Skin sensitisation	Sensitizing.

Germ cell mutagenicity

Genotoxicity - in vitro	Based on available data the classification criteria are not met.

PRESS CONTROL EWM (USA)

Carcinogenicity

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

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.

Persistance and degradability

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

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

chromium 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%

oxydipropanol
<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)