



Allied Pressroom Products
Chemicals for the International Printing Industry

SAFETY DATA SHEET

Pressline 2in1 Metal Plate Developer (USA)

1. Identification

Product identifier

Product name Pressline 2in1 Metal Plate Developer (USA)

Recommended use of the chemical and restrictions on use

Application For use as a plate developer in the lithographic printing industry. Plate Developer

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

National emergency telephone number 911

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards Not Classified
Health hazards Acute Tox. 4 - H332 Eye Dam. 1 - H318
Environmental hazards Not Classified

Human health Organic solvents may be absorbed into the body by inhalation and ingestion. Symptoms following overexposure may include the following: Central and/or peripheral nervous system damage. Brain damage. Causes serious eye damage.

Label elements

Pictogram



Signal word Danger

Pressline 2in1 Metal Plate Developer (USA)

Hazard statements	H318 Causes serious eye damage. H332 Harmful if inhaled.
Precautionary statements	P261 Avoid breathing vapor/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a poison center/doctor.
Contains	BENZYL ALCOHOL, Naphthalenesulfonic acids, branched and linear Bu derivs., sodium salts

Other hazards

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

3. Composition/information on ingredients

Mixtures

BENZYL ALCOHOL	10-30%
CAS number: 100-51-6	
Classification	
Acute Tox. 4 - H302	
Acute Tox. 4 - H332	
Eye Irrit. 2A - H319	
Naphthalenesulfonic acids, branched and linear Bu derivs., sodium salts	5-10%
CAS number: 91078-64-7	
Classification	
Combustible Dust - USH01	
Acute Tox. 4 - H302	
Acute Tox. 4 - H332	
Eye Dam. 1 - H318	
STOT SE 3 - H335	
Sodium Xylene Sulphonate	5-10%
CAS number: 1300-72-7	
Classification	
Eye Irrit. 2A - H319	
sodium sulphite	5-10%
CAS number: 7757-83-7	
Classification	
Eye Irrit. 2A - H319	

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SODIUM BENZOATE	1-5%
CAS number: 532-32-1	
Classification	
Eye Irrit. 2A - H319	

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

4. First-aid measures

Description of first aid measures

General information	Consult a physician for specific advice.
Inhalation	Move affected person to fresh air at once. If breathing stops, provide artificial respiration. Consult a physician for specific advice.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Consult a physician for specific advice.
Skin Contact	Wash skin thoroughly with soap and water. Consult a physician for specific advice.
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 symptoms are severe or persist after washing.

Most important symptoms and effects, both acute and delayed

Inhalation	In case of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication, and at very high concentrations unconsciousness and death.
Ingestion	May cause unconsciousness, blindness and possibly death. Central nervous system depression.
Skin contact	Prolonged skin contact may cause redness and irritation.
Eye contact	Causes serious eye damage.

Indication of immediate medical attention and special treatment needed

Notes for the doctor	No specific recommendations.
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5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the 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. Toxic gases or vapors.

Advice for firefighters

Protective actions during firefighting	No specific firefighting precautions known.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

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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. Avoid inhalation of vapors. Avoid contact with skin and eyes.

Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground. Avoid release to the environment.

Methods and material for containment and cleaning up

Methods for cleaning up Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely.

Reference to other sections For waste disposal, see Section 13.

7. Handling and storage

Precautions for safe handling

Usage precautions Avoid inhalation of vapors/spray and contact with skin and eyes.

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

BENZYL ALCOHOL

US WEEL TWA - 10ppm

Naphthalenesulfonic acids, branched and linear Bu derivs., sodium salts (CAS: 91078-64-7)

DNEL Workers - Dermal; Long term systemic effects: 1.057 mg/kg/day - Inhalation; Long term systemic effects: 0.548 mg/m³ Workers - Inhalation; Long term local effects: 0.36 mg/m³

PNEC - Fresh water; 0.2 mg/l - Marine water; 0.02 mg/l - Intermittent release; 2 mg/l - Sediment (Freshwater); 5.4 mg/kg - Sediment (Marinewater); 0.54 mg/kg - Soil; 0.963 mg/kg - STP; 0.016 mg/l

Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

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.

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Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are 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	Yellow.
Odor	Alcoholic.
Odor threshold	Not available.
pH	pH (concentrated solution): 7 - 8
Melting point	Not applicable.
Initial boiling point and range	>100°C @ 760 mm Hg >212°F @ 760 mm Hg
Flash point	None °F TCC (Tag closed cup).
Evaporation rate	< 1 (butyl acetate = 1)
Evaporation factor	Not available.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	Not available.
Vapour density	>1
Relative density	1.0 @ 20°C
Bulk density	Not applicable.
Solubility(ies)	Soluble in water.
Partition coefficient	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	Not available.
Explosive properties	Not applicable.
Oxidising properties	Not applicable.
Comments	Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.

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Volatile organic compound This product contains a maximum VOC content of 136 g/litre. This product contains a maximum VOC content of 1.1 lb per Gallon.

10. Stability and reactivity

Reactivity	There are no known reactivity hazards associated with this product.
Stability	Stable at normal ambient temperatures and when used as recommended.
Possibility of hazardous reactions	Not available.
Conditions to avoid	Avoid excessive heat for prolonged periods of time.
Materials to avoid	Strong oxidizing agents.
Hazardous decomposition products	Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Oxides of nitrogen. Sulfur. Toxic gases or vapors.

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) 7,225.33

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Harmful by inhalation.

ATE inhalation (gases ppm) 19,633.51

ATE inhalation (vapours mg/l) 47.99

ATE inhalation (dusts/mists mg/l) 6.54

Skin corrosion/irritation

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

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye damage.

Respiratory sensitisation

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

Skin sensitisation

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

Germ cell mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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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 applicable.

Inhalation Harmful by inhalation. Overexposure to organic solvents may depress the central nervous system, causing dizziness and intoxication and, at very high concentrations, unconsciousness and death.

Ingestion May be harmful if swallowed.

Skin Contact Liquid may irritate skin.

Eye contact Causes serious eye damage.

Route of entry Inhalation Ingestion. Skin and/or eye contact

Target Organs Central nervous system Eyes

12. Ecological Information

Ecotoxicity Not known. 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

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 Not available.

Mobility in soil

Mobility The product is soluble in water.

Results of PBT and vPvB assessment

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

Pressline 2in1 Metal Plate Developer (USA)

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.

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

International Regulations

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%

ETHYLENE OXIDE

<0.01%

ACETALDEHYDE

<0.01%

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

Not listed

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SARA 313 Emission Reporting

Not listed

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%

ETHYLENE OXIDE

<0.01%

ACETALDEHYDE

<0.01%

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%

Rhode Island "Right To Know" List

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Glycerine

5-10%

1,4-DIOXANE

<0.01%

ETHYLENE OXIDE

<0.01%

ACETALDEHYDE

<0.01%

New Jersey "Right To Know" List

Glycerine

5-10%

1,4-DIOXANE

<0.01%

ETHYLENE OXIDE

<0.01%

ACETALDEHYDE

<0.01%

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 6/19/2015

Revision 2.0

Supersedes date 1/1/2015

SDS No. 21462

Hazard statements in full H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
USH01 May form combustible dust concentrations in air

ACA HMIS Health rating. Serious hazard. (3)

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

ACA HMIS Personal protection rating. C

ACA HMIS Flammability rating. Will not burn. (0)

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.