



Allied Pressroom Products
Chemicals for the International Printing Industry

SAFETY DATA SHEET

PLATE FIX (USA)

1. Identification

Product identifier

Product name PLATE FIX (USA)

Recommended use of the chemical and restrictions on use

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

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

Met. Corr. 1 - H290

Health hazards

Skin Corr. 1B - H314 Eye Dam. 1 - H318

Environmental hazards

Not Classified

Human health

Corrosive. Prolonged contact causes serious eye and tissue damage.

Label elements

Pictogram



Signal word Danger

Hazard statements

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H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.

Precautionary statements

P260 Do not breathe vapor/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
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.
P501 Dispose of contents/container in accordance with national regulations.

Contains

DISODIUM METASILICATE, C9-11 ALCOHOL ETHOXYLATE

Other hazards

This product does not contain any substances classified as PBT or vPvB.

3. Composition/information on ingredients

Mixtures

DISODIUM METASILICATE CAS number: 6834-92-0	1-5%
Classification Met. Corr. 1 - H290 Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335	
C9-11 ALCOHOL ETHOXYLATE CAS number: 68439-46-3	1-5%
Classification Acute Tox. 4 - H302 Eye Dam. 1 - H318	
2-BUTOXYETHANOL CAS number: 111-76-2	1-5%
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	

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. Keep affected person warm and at rest. Get medical attention immediately.

Ingestion

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Get medical attention immediately. Rinse mouth thoroughly with water. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Do not induce vomiting. Never give anything by mouth to an unconscious person. Do not induce vomiting.

Skin Contact

Remove affected person from source of contamination. Get medical attention if symptoms are severe or persist after washing.

Eye contact

Remove affected person from source of contamination. 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 immediately.

Most important symptoms and effects, both acute and delayed

Inhalation

Upper respiratory irritation.

Ingestion

Chemical burns.

Skin contact

Chemical burns.

Eye contact

Irritation, burning, lachrymation, blurred vision after liquid splash.

Indication of immediate medical attention and special treatment needed

Notes for the doctor

Treat symptomatically.

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 may liberate carbon oxides and other toxic gases or vapours. 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

Do not discharge into drains or watercourses or onto the ground.

Methods and material for containment and cleaning up

Methods for cleaning up

Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Do not touch or walk into spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water.

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Reference to other sections

For waste disposal, see Section 13.

7. Handling and storage

Precautions for safe handling

Usage precautions

Avoid spilling. Avoid contact with skin and eyes. 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. Protect from freezing and direct sunlight.

Storage class

Corrosive storage.

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

Long-term exposure limit (8-hour TWA): ACGIH 20 ppm

A3

Long-term exposure limit (8-hour TWA): OSHA 50 ppm 240 mg/m³

Sk

ACGIH = American Conference of Governmental Industrial Hygienists.

A3 = Confirmed Animal Carcinogen with Unknown Relevance to Humans.

OSHA = Occupational Safety and Health Administration.

Sk = Danger of cutaneous absorption.

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

Immediate danger to life and health

700 ppm

Exposure controls

Protective equipment



Appropriate engineering controls

No specific ventilation requirements. This product must not be handled in a confined space without adequate 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 or face shield.

Hand protection

Wear protective gloves made of the following material: Rubber or plastic.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Provide eyewash station. Wash hands at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.

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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

Green-yellow.

Odor

No characteristic odor.

Odor threshold

No information available.

pH

pH (concentrated solution): 12.0

Melting point

Not applicable.

Initial boiling point and range

227°F @ 760 mm Hg

Flash point

Not applicable.

Evaporation rate

< 1 (butyl acetate = 1)

Upper/lower flammability or explosive limits

No information available.

Vapour pressure

as water 17 mmHg @ 20°C

Vapour density

>1

Relative density

1.01 @ 20°C

Bulk density

Not applicable.

Solubility(ies)

100 % water @ 20 - 25°C

Partition coefficient

No information available.

Auto-ignition temperature

No information available.

Decomposition Temperature

No information available.

Viscosity

No information available.

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

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control measures.

Volatile organic compound

This product contains a maximum VOC content of 0.2 lb per Gallon. This product contains a maximum VOC content of 24 g/litre.

10. Stability and reactivity

Reactivity

Reactions with the following materials may generate heat: Strong acids.

Stability

Stable at normal ambient temperatures.

Possibility of hazardous reactions

Will not polymerize.

Conditions to avoid

Avoid heat, flames and other sources of ignition.

Materials to avoid

Strong acids.

Hazardous decomposition products

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂). Nitrous gases (NO_x).

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral

Based on available data the classification criteria are not met.

ATE oral (mg/kg)

24,019.30687724

Acute toxicity - dermal

Based on available data the classification criteria are not met.

ATE dermal (mg/kg)

41151.84769926

Acute toxicity - inhalation

Based on available data the classification criteria are not met.

ATE inhalation (gases ppm)

168348.46786059

ATE inhalation (vapours mg/l)

411.51847699

ATE inhalation (dusts/mists mg/l)

56.11615595

Skin corrosion/irritation

Extreme pH

≥ 11.5 Corrosive to skin.

Serious eye damage/irritation

Corrosivity to eyes is assumed.

Respiratory sensitisation

Based on available data the classification criteria are not met.

Skin sensitisation

Based on available data the classification criteria are not met.

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Germ cell mutagenicity

Genotoxicity - in vitro

Does not contain any substances known to be mutagenic.

Carcinogenicity

Does not contain any substances known to be carcinogenic.

Reproductive toxicity

Reproductive toxicity - fertility

Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure

Based on available data the classification criteria are not met. Gas or vapor in high concentrations may irritate the respiratory system.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure

Based on available data the classification criteria are not met.

Inhalation

May cause respiratory system irritation.

Ingestion

Causes burns.

Skin Contact

Causes burns.

Eye contact

Causes burns.

Route of entry

Inhalation Skin and/or eye contact Ingestion.

Medical Symptoms

Irritation, burning, lachrymation, blurred vision after liquid splash. Upper respiratory irritation. Chemical burns.

12. Ecological Information

Ecotoxicity

Not known. The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment. The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

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. The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

Bioaccumulative potential

No data available on bioaccumulation.

PLATE FIX (USA)**Partition coefficient**

No information available.

Mobility in soil**Mobility**

The product is water-soluble and may spread in water systems.

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**UN Number**

UN No. (DOT)	1719
UN No. (IMDG)	1719
UN No. (ICAO)	1719

UN proper shipping name

Proper shipping name (DOT)	CAUSTIC ALKALI LIQUID, N.O.S.(Contains Disodium Metasilicate)
Proper shipping name (IMDG)	CAUSTIC ALKALI LIQUID, N.O.S.(Contains Disodium Metasilicate)
Proper shipping name (ICAO)	CAUSTIC ALKALI LIQUID, N.O.S.(Contains Disodium Metasilicate)

Transport hazard class(es)

IMDG Class	8
ICAO class/division	8

Transport labels**Packing group**

DOT pack group	III
IMDG packing group	III
ICAO packing group	III

Environmental hazards**Environmentally Hazardous Substance**

No.

Special precautions for user

EmS	F-A, S-B
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Transport in bulk according to **Annex II of MARPOL 73/78**
and the IBC Code

Not Known

PLATE FIX (USA)**15. Regulatory information****US Federal Regulations****SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities**

Not listed

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)**SODIUM HYDROXIDE**

<1%

ETHANEDIOL

<0.1%

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

Not listed

SARA 313 Emission Reporting**2-BUTOXYETHANOL**

1-5%

CAA Accidental Release Prevention

Not listed

FDA - Essential Chemical

Not listed

FDA - Precursor Chemical

Not listed

OSHA Highly Hazardous Chemicals

Not listed

US State Regulations**California Proposition 65 Carcinogens and Reproductive Toxins**

Not listed

California Air Toxics "Hot Spots" (A-I)**2-BUTOXYETHANOL**

1-5%

SODIUM HYDROXIDE

<1%

ETHANEDIOL

<0.1%

California Air Toxics "Hot Spots" (A-II)

Not listed

California Directors List of Hazardous Substances**2-BUTOXYETHANOL**

1-5%

SODIUM HYDROXIDE

<1%

ETHANEDIOL

<0.1%

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Massachusetts "Right To Know" List

2-BUTOXYETHANOL

1-5%

SODIUM HYDROXIDE

<1%

ETHANEDIOL

<0.1%

Rhode Island "Right To Know" List

2-BUTOXYETHANOL

1-5%

SODIUM HYDROXIDE

<1%

ETHANEDIOL

<0.1%

Minnesota "Right To Know" List

2-BUTOXYETHANOL

1-5%

SODIUM HYDROXIDE

<1%

ETHANEDIOL

<0.1%

New Jersey "Right To Know" List

2-BUTOXYETHANOL

1-5%

SODIUM HYDROXIDE

<1%

ETHANEDIOL

<0.1%

Pennsylvania "Right To Know" List

2-BUTOXYETHANOL

1-5%

SODIUM HYDROXIDE

<1%

ETHANEDIOL

<0.1%

Inventories

Canada - DSL/NDSL

All the ingredients are listed or exempt.

DSL

NDSL

US - TSCA

All the ingredients are listed or exempt.

PLATE FIX (USA)**US - TSCA 12(b) Export Notification**

Not listed

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	2/9/2015
Revision	2.0
Supersedes date	2/1/2014
SDS No.	21107

Hazard statements in full

H227 Combustible liquid.
H290 May be corrosive to metals.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

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.	Will not burn. (0)

Disclaimer

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.