



Allied Pressroom Products
Chemicals for the International Printing Industry

SAFETY DATA SHEET AQ COATING CLEANER (USA)

1. Identification

Product identifier

Product name AQ COATING CLEANER (USA)

Recommended use of the chemical and restrictions on use

Application For use as a cleaner for water based coating units in the lithographic printing industry.
Aqueous coating 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

AQ COATING CLEANER (USA)

Hazard statements	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage.
Precautionary statements	P234 Keep only in original container. 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. P501 Dispose of contents/container in accordance with national regulations.
Contains	C9-11 ALCOHOL ETHOXYLATE, DISODIUM METASILICATE, SODIUM HYDROXIDE

Other hazards

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

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	
C9-11 ALCOHOL ETHOXYLATE	5-10%
CAS number: 68439-46-3	
Classification	
Acute Tox. 4 - H302	
Eye Dam. 1 - H318	
DISODIUM METASILICATE	1-5%
CAS number: 6834-92-0	
Classification	
Met. Corr. 1 - H290	
Skin Corr. 1B - H314	
Eye Dam. 1 - H318	
STOT SE 3 - H335	

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Sodium Xylene Sulphonate CAS number: 1300-72-7	1-5%
Classification Eye Irrit. 2A - H319	
SODIUM HYDROXIDE CAS number: 1310-73-2	<1%
Classification Met. Corr. 1 - H290 Skin Corr. 1A - H314 Eye Dam. 1 - H318	

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 if symptoms are severe or persist.
Ingestion	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.
Skin Contact	Remove affected person from source of contamination. Get medical attention promptly if symptoms occur 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 and get medical attention.

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.
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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.

Advice for firefighters

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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.

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, 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. 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

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

A3, Sk

SODIUM HYDROXIDE

Long-term exposure limit (8-hour TWA): OSHA 2 mg/m³

Ceiling exposure limit: ACGIH 2 mg/m³

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)

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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

SODIUM HYDROXIDE (CAS: 1310-73-2)

Immediate danger to life and health	10 mg/m ³
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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.

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	Liquid.
Color	Pink.
Odor	No characteristic odor.
Odor threshold	No information available.
pH	pH (concentrated solution): 12
Melting point	Not applicable.
Initial boiling point and range	227°F @ 760 mm Hg
Flash point	None °F TCC (Tag closed cup).
Evaporation rate	<1 (butyl acetate = 1)

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Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	as water 17 mmHg @ 20°C
Vapour density	>1
Relative density	1.01 @ 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 applicable.
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 84 g/litre. This product contains a maximum VOC content of 0.7 lb per Gallon.

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 (CO ₂). silane Sodium Oxides

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) 8,803.66

Acute toxicity - dermal

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

ATE dermal (mg/kg) 13,306.59

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

ATE inhalation (gases ppm) 54,436.03

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ATE inhalation (vapours mg/l)	133.07
ATE inhalation (dusts/mists mg/l)	18.15
<u>Skin corrosion/irritation</u>	
Extreme pH	Corrosive.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Corrosivity to eyes is assumed.
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	Based on available data the classification criteria are not met.
<u>Skin sensitisation</u>	
Skin sensitisation	Based on available data the classification criteria are not met.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Does not contain any substances known to be mutagenic.
<u>Carcinogenicity</u>	
Carcinogenicity	Does not contain any substances known to be carcinogenic.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Does not contain any substances known to be toxic to reproduction.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	Based on available data the classification criteria are not met.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	Based on available data the classification criteria are not met.
<u>Aspiration hazard</u>	
Aspiration hazard	Not relevant.
Inhalation	Spray/mists may cause respiratory tract irritation.
Ingestion	Causes burns.
Skin Contact	Causes burns.
Eye contact	Causes burns.
Route of entry	Inhalation Skin and/or eye contact Ingestion.
Target Organs	Eyes Mucous membranes Respiratory system, lungs Skin Gastro-intestinal tract
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.
<u>Toxicity</u>	
Acute toxicity - fish	Not known.

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Acute toxicity - aquatic invertebrates Not known.

Acute toxicity - aquatic plants Not known.

Persistence and degradability

Persistence and degradability 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

Bio-Accumulative Potential No data available on bioaccumulation.

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

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

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, NOS (Contains Sodium Metasilicate, Sodium Hydroxide)

Proper shipping name (IMDG) CAUSTIC ALKALI LIQUID, NOS (Contains Sodium Metasilicate, Sodium Hydroxide)

Proper shipping name (ICAO) CAUSTIC ALKALI LIQUID, NOS (Contains Sodium Metasilicate, Sodium Hydroxide)

Transport hazard class(es)

IMDG Class 8

ICAO class/division 8

AQ COATING CLEANER (USA)

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

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

15. Regulatory information

International Regulations

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

5-10%

CAA Accidental Release Prevention

Not listed

FDA - Essential Chemical

Not listed

FDA - Precursor Chemical

Not listed

OSHA Highly Hazardous Chemicals

Not listed

AQ COATING CLEANER (USA)

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins

Not listed

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

SODIUM HYDROXIDE

<1%

ETHANEDIOL

<0.1%

2-BUTOXYETHANOL

5-10%

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

Not listed

California Directors List of Hazardous Substances

SODIUM HYDROXIDE

<1%

ETHANEDIOL

<0.1%

2-BUTOXYETHANOL

5-10%

Massachusetts "Right To Know" List

SODIUM HYDROXIDE

<1%

SODIUM SULPHATE

<1%

ETHANEDIOL

<0.1%

2-BUTOXYETHANOL

5-10%

Rhode Island "Right To Know" List

SODIUM HYDROXIDE

<1%

ETHANEDIOL

<0.1%

2-BUTOXYETHANOL

5-10%

Minnesota "Right To Know" List

SODIUM HYDROXIDE

<1%

ETHANEDIOL

<0.1%

2-BUTOXYETHANOL

5-10%

AQ COATING CLEANER (USA)

New Jersey "Right To Know" List

SODIUM HYDROXIDE

<1%

ETHANEDIOL

<0.1%

2-BUTOXYETHANOL

5-10%

Pennsylvania "Right To Know" List

SODIUM HYDROXIDE

<1%

SODIUM SULPHATE

<1%

ETHANEDIOL

<0.1%

2-BUTOXYETHANOL

5-10%

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

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 10/17/2014

Revision 2.0

Supersedes date 4/1/2014

SDS No. 21399

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. Serious hazard. (3)

AQ COATING CLEANER (USA)

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.