



## SAFETY DATA SHEET JAM3005 (WB) Cleaner

### 1. Identification

#### Product identifier

**Product name** JAM3005 (WB) Cleaner

**Product number** 71000997, 71000998, 71001000, 71001004, 71002816, 71002817, 71002818

**Container size** 6 x 1 Liter, 2 x 4 Liter, 4 x 4 Liter, 5 Gallon Pail, 55 Gallon Drum

#### Recommended use of the chemical and restrictions on use

**Restriction on use** Ink cleaner for printing inks.

**Uses advised against** Use only for intended applications.

#### Details of the supplier of the safety data sheet

**Supplier** Matthews Marking Systems  
3159 Unionville Road, Suite 500  
Cranberry Township, PA 16066  
412.665.2500  
412.828.4545  
info@matw.com

**Manufacturer** Matthews Marking Systems  
Zona Franca La Lima  
Multitenant #8  
Cartago, Costa Rica 30106  
(506) 4000-1103

#### Emergency telephone number

**Emergency telephone** Chemtrec US : 1-800-424-9300 Chemtrec World: 1-703-527-3887

### 2. Hazard identification

#### Classification of the substance or mixture

**Physical hazards** Not Classified

**Health hazards** Eye Irrit. 2A - H319 Resp. Sens. 1 - H334 Skin Sens. 1 - H317

**Environmental hazards** Aquatic Acute 3 - H402

#### Label elements

##### Hazard pictograms



**Signal word** Danger

**Hazard statements** H319 Causes serious eye irritation.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H317 May cause an allergic skin reaction.  
H402 Harmful to aquatic life.

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<b>Precautionary statements</b>	<p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
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**Contains** Glutaraldehyde

### 3. Composition/information on ingredients

#### Mixtures

<b>Water</b> CAS number: 7732-18-5	<b>90-100%</b>
<b>Classification</b> Not Classified	
<b>Ethoxylated Alcohol Surfactant</b> CAS number: 84133-50-6	<b>1-&lt;5%</b>
<b>Classification</b> Skin Irrit. 2 - H315 Eye Dam. 1 - H318	
<b>Glutaraldehyde</b> CAS number: 111-30-8 M factor (acute) = 1	<b>&lt;1%</b>
<b>Classification</b> Acute Tox. 3 - H301 Acute Tox. 2 - H330 Skin Corr. 1B - H314 Resp. Sens. 1 - H334 Skin Sens. 1A - H317 STOT SE 3 - H335 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411	

The full text for all hazard statements is displayed in Section 16.

**Composition comments** This material does not contain any Hazardous Air Pollutants (HAPS) as defined by the Clean Air Act under the US Environmental Protection Agency (EPA).

**Ingredient notes** The exact percentage/concentration is withheld as a trade secret in accordance with the Regulations amending the Hazardous Products Regulations. The exact identity is withheld as a trade secret in accordance with 29 CFR 1910.1200.

### 4. First-aid measures

#### Description of first aid measures

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<b>General information</b>	Consult a physician for specific advice. If medical advice is needed, have product container or label at hand. If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.
<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provide artificial respiration. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention if symptoms are severe or persist. If in doubt, get medical attention promptly.
<b>Ingestion</b>	Do not induce vomiting. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Get medical attention immediately.
<b>Skin contact</b>	Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing. Wash clothing and clean shoes thoroughly before reuse.
<b>Eye contact</b>	Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue.

### Most important symptoms and effects, both acute and delayed

<b>General information</b>	The product is considered to be a low hazard under normal conditions of use. The severity of the symptoms described will vary dependent on the concentration and the length of exposure. See Section 11 for additional information on health hazards.
<b>Inhalation</b>	May cause respiratory system irritation. May cause coughing and difficulties in breathing. Vapours may cause headache, fatigue, dizziness and nausea.
<b>Ingestion</b>	May cause discomfort if swallowed. Symptoms following overexposure may include the following: Gastrointestinal symptoms, including upset stomach. Nausea, vomiting. Diarrhea.
<b>Skin contact</b>	May cause irritation. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.
<b>Eye contact</b>	May cause irritation. May cause discomfort. Symptoms following overexposure may include the following: Redness. Conjunctivitis, irritation, tearing.

### Indication of any immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	Treat symptomatically.
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## 5. Fire-fighting measures

### Extinguishing media

<b>Suitable extinguishing media</b>	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
<b>Unsuitable extinguishing media</b>	None known.

### Specific hazards arising from the hazardous product

<b>Specific hazards</b>	The product is not flammable.
<b>Hazardous combustion products</b>	Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO).

### Advice for firefighters

<b>Protective actions during firefighting</b>	Evacuate area. Stop leak if safe to do so. Use water to keep fire exposed containers cool and disperse vapours. Use water spray to reduce vapours.
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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** Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours. Wash thoroughly after dealing with a spillage. Ensure procedures and training for emergency decontamination and disposal are in place.

#### Environmental precautions

**Environmental precautions** Avoid release to the environment. Do not discharge into drains or watercourses or onto the ground. Use appropriate containment to avoid environmental contamination. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

#### Methods and material for containment and cleaning up

**Methods for cleaning up** Stop leak if safe to do so. Do not touch or walk into spilled material. Take care as floors and other surfaces may become slippery. Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely. When handling waste, the safety precautions applying to handling of the product should be considered. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

#### Reference to other sections

**Reference to other sections** For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

### 7. Handling and storage

#### Precautions for safe handling

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

**Advice on general occupational hygiene** Provide eyewash station and safety shower. Good personal hygiene procedures should be implemented. Wash skin thoroughly after handling. Wash contaminated clothing before reuse.

#### Conditions for safe storage, including any incompatibilities

**Storage precautions** Store at temperatures between 4.4°C/40°F and 32.2°C/90°F. Keep only in the original container in a cool, well-ventilated place. Protect from freezing and direct sunlight. Container must be kept tightly closed when not in use. Keep containers upright. Store in accordance with national regulations.

**Storage class** Chemical storage.

#### Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.

### 8. Exposure controls/Personal protection

#### Control parameters

#### Occupational exposure limits

##### **Glutaraldehyde**

Ceiling exposure limit: ACGIH 0.05 ppm 0.2 mg/m<sup>3</sup>  
A4, DSens, RSens

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ACGIH = American Conference of Governmental Industrial Hygienists.  
 A4 = Not Classifiable as a Human Carcinogen.  
 DSens = Dermal sensitizer.  
 RSens = Respiratory sensitizer.

### Exposure controls

#### Protective equipment



#### Appropriate engineering controls

As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist. Use explosion-proof ventilating equipment.

#### Eye/face protection

Wear tight-fitting, chemical splash goggles or face shield.

#### Hand protection

It is recommended that chemical-resistant, impervious gloves are worn. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. It is recommended that gloves are made of the following material: Butyl rubber. Nitrile rubber. Rubber (natural, latex). Frequent changes are recommended.

#### Other skin and body protection

Avoid contact with skin. Wear appropriate clothing to prevent repeated or prolonged skin contact.

#### Hygiene measures

Wash contaminated skin thoroughly after handling. Provide eyewash station and safety shower.

#### Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Organic vapour filter.

#### Thermal hazards

If there is a risk of contact with hot product, all protective equipment worn should be suitable for use with high temperatures.

#### Environmental exposure controls

Keep container tightly sealed when not in use.

### 9. Physical and chemical properties

#### Information on basic physical and chemical properties

Appearance	Colourless liquid.
Colour	Colourless.
Odour	Almost odourless.
Melting point	0°C/32°F
Initial boiling point and range	100°C/212°F @ 760 mm Hg
Flash point	Not applicable.
Evaporation rate	0.3 (butyl acetate = 1)
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	17.54 mm Hg @ 20°C/68°F
Vapour density	1.27
Relative density	1.001 g/cc 1001 g/l 8.34 lbs/gal

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<b>Solubility(ies)</b>	Completely soluble in water.
<b>Partition coefficient</b>	Not applicable.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Decomposition Temperature</b>	Not applicable.
<b>Explosive properties</b>	Not applicable.
<b>Oxidising properties</b>	Not applicable.
<b>Comments</b>	Information given is applicable to the product as supplied. Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.
<b>Volatile organic compound</b>	This product contains a maximum VOC content of 0 g/l. This product contains a maximum VOC content of 0 lbs/gal.
<b>HAPS Content</b>	0.00

### 10. Stability and reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
<b>Conditions to avoid</b>	Avoid the following conditions: Freezing.
<b>Materials to avoid</b>	Avoid contact with the following materials: Strong alkalis.
<b>Hazardous decomposition products</b>	Heating may generate the following products: Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO).

### 11. Toxicological information

#### Information on toxicological effects

**Toxicological effects** Information given is based on data of the components and of similar products.

#### Acute toxicity - oral

**ATE oral (mg/kg)** 20,000.0

#### Acute toxicity - inhalation

**ATE inhalation (dusts/mists mg/l)** 10.0

#### Specific target organ toxicity - single exposure

**Target organs** Eyes Gastro-intestinal tract Skin

#### Specific target organ toxicity - repeated exposure

**Target organs** Eyes Gastro-intestinal tract Kidneys Liver Skin

#### Toxicological information on ingredients

#### Ethoxylated Alcohol Surfactant

#### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 3,001.0

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**Species** Rat  
**ATE oral (mg/kg)** 3,001.0

### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 2,001.0

**Species** Rabbit  
**ATE dermal (mg/kg)** 2,001.0

### Skin corrosion/irritation

**Skin corrosion/irritation** May cause skin irritation.

### Serious eye damage/irritation

**Serious eye damage/irritation** Causes eye irritation.

## Glutaraldehyde

### Acute toxicity - oral

**ATE oral (mg/kg)** 100.0

### Acute toxicity - inhalation

**Acute toxicity inhalation (LC<sub>50</sub> dust/mist mg/l)** 0.9

**ATE inhalation (vapours mg/l)** 3.0

**ATE inhalation (dusts/mists mg/l)** 0.9

### Skin corrosion/irritation

**Skin corrosion/irritation** May cause serious chemical burns to the skin.

### Serious eye damage/irritation

**Serious eye damage/irritation** Causes serious eye damage.

### Respiratory sensitization

**Respiratory sensitization** Sensitising.

### Skin sensitization

**Skin sensitization** Sensitising.

### Specific target organ toxicity - single exposure

**STOT - single exposure** A single exposure may cause the following adverse effects: Chronic inflammation of nose, throat and bronchial tubes. High concentrations may cause severe lung damage.

**Target organs** Respiratory tract

### Aspiration hazard

**Aspiration hazard** Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

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### 12. Ecological information

#### Ecological information on ingredients

##### Ethoxylated Alcohol Surfactant

##### Acute aquatic toxicity

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 3.5-4.9 mg/l, Pimephales promelas (Fat-head Minnow)
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 3.1 mg/l, Daphnia magna

##### Glutaraldehyde

##### Acute aquatic toxicity

<b>M factor (acute)</b>	1
<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 64 mg/l, Cyprinodon variegatus (Sheepshead minnow)
<b>Acute toxicity - aquatic invertebrates</b>	LC <sub>50</sub> , 48 hours: 5.8 mg/l, Freshwater invertebrates
<b>Acute toxicity - aquatic plants</b>	EC <sub>50</sub> , 72 hours: 1.2 mg/l, Desmodosmus subspicatus
<b>Acute toxicity - microorganisms</b>	EC <sub>50</sub> , : >50 mg/l, Activated sludge
<b>Acute toxicity - terrestrial</b>	LC <sub>50</sub> , : 408-466 mg/kg, Anas Platyrhynchos (Mallard duck)
<b><u>Chronic aquatic toxicity</u></b>	
<b>Chronic toxicity - aquatic invertebrates</b>	NOEC, 21 days: 0.24 mg/l, Daphnia magna

#### Persistence and degradability

#### Ecological information on ingredients

##### Ethoxylated Alcohol Surfactant

<b>Persistence and degradability</b>	The product is readily biodegradable.
<b>Biodegradation</b>	Soil - Degradation >60%: 28 days

##### Glutaraldehyde

<b>Persistence and degradability</b>	The product is readily biodegradable.
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#### Bioaccumulative potential

<b>Partition coefficient</b>	Not applicable.
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#### Ecological information on ingredients

##### Ethoxylated Alcohol Surfactant

<b>Bioaccumulative potential</b>	BCF: 15-64, Fish
<b>Partition coefficient</b>	log Pow: 3.3-4.4



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**Bioaccumulative potential** Bioaccumulation is unlikely.

#### 13. Disposal considerations

##### Waste treatment methods

##### **General information**

The generation of waste should be minimized or avoided wherever possible. When handling waste, the safety precautions applying to handling of the product should be considered. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Dispose of waste product or used containers in accordance with local regulations. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.

##### **Disposal methods**

Dispose of contents/container in accordance with national regulations. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. When handling waste, the safety precautions applying to handling of the product should be considered.

#### 14. Transport information

##### **General**

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

##### UN number

**UN No. (International)** Not applicable.

##### UN proper shipping name

**Proper shipping name (International)** Not applicable.

##### Transport hazard class(es)

**Transport Labels (International)** No transport warning sign required.

##### Packing group

**Packing group (International)** Not applicable.

##### Environmental hazards

**Environmentally hazardous substance/marine pollutant**  
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

##### Inventories

##### **EU - EINECS/ELINCS**

All the ingredients are listed or exempt.

## JAM3005 (WB) Cleaner

### Canada – DSL/NDSL

All the ingredients are listed or exempt.

### US - TSCA

All the ingredients are listed or exempt.

### Australia - AICS

*Methanol*

### Japan - ENCS

*Methanol*

### Korea - KECI

*Methanol*

### China - IECSC

*Methanol*

### Phillippines – PICCS

*Methanol*

## 16. Other information

<b>Issued by</b>	Mathews Marking Systems - Chemical Services Department
<b>Revision date</b>	2020-08-06
<b>Revision</b>	7
<b>Supersedes date</b>	2020-05-12
<b>SDS number</b>	4894
<b>SDS status</b>	Approved.
<b>Hazard statements in full</b>	<p>H301 Toxic if swallowed.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H318 Causes serious eye damage.</p> <p>H319 Causes serious eye irritation.</p> <p>H330 Fatal if inhaled.</p> <p>H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.</p> <p>H335 May cause respiratory irritation.</p> <p>H400 Very toxic to aquatic life.</p> <p>H402 Harmful to aquatic life.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p>

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.