



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

Application 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(s) identification

Classification of the substance or mixture

OSHA Regulatory Status This Product is Hazardous under the OSHA Hazard Communication Standard.

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 symbols



Signal word Danger

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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.
Precautionary statements	P264 Wash contaminated skin thoroughly after handling. 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. P337+P313 If eye irritation persists: Get medical advice/ attention. P501 Dispose of contents/ container in accordance with national regulations.
Contains	Glutaraldehyde

3. Composition/information on ingredients

Mixtures

Water	90-100%
CAS number: 7732-18-5	
Classification	Not Classified
Ethoxylated Alcohol Surfactant	1-<5%
CAS number: 84133-50-6	
Classification	Skin Irrit. 2 - H315 Eye Dam. 1 - H318
Glutaraldehyde	<1%
CAS number: 111-30-8	
M factor (Acute) = 1	
Classification	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 29 CFR 1910.1200. The exact identity is withheld as a trade secret in accordance with 29 CFR 1910.1200.

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4. First-aid measures

Description of first aid measures

General information	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.
Inhalation	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.
Ingestion	Do not induce vomiting. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Skin Contact	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.
Eye contact	Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.

Most important symptoms and effects, both acute and delayed

General information	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.
Inhalation	May cause respiratory system irritation. May cause coughing and difficulties in breathing. Vapors may cause headache, fatigue, dizziness and nausea.
Ingestion	May cause discomfort if swallowed. Symptoms following overexposure may include the following: Gastrointestinal symptoms, including upset stomach. Nausea, vomiting. Diarrhea.
Skin contact	May cause irritation. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.
Eye contact	May cause irritation. May cause discomfort. Symptoms following overexposure may include the following: Redness. Conjunctivitis, irritation, tearing.

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

Special hazards arising from the substance or mixture

Flammability Class	No Uniform Fire Code noted.
Specific hazards	The product is not flammable.
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO ₂). Carbon monoxide (CO).
Advice for firefighters	

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Protective actions during firefighting	Evacuate area. Stop leak if safe to do so. Use water to keep fire exposed containers cool and disperse vapors. Use water spray to reduce vapors.
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 vapors. Wash thoroughly after dealing with a spillage. Ensure procedures and training for emergency decontamination and disposal are in place.
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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.
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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.
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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.
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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.
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Storage class	Chemical storage.
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Specific end uses(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.
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8. Exposure controls/Personal protection

Control parameters

Occupational exposure limits

Ethoxylated Alcohol Surfactant

Long-term exposure limit (8-hour TWA): ACGIH 10 mg/m³ Aerosol

Glutaraldehyde

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Ceiling exposure limit: ACGIH 0.05 ppm 0.2 mg/m³

A4, DSens, RSens

ACGIH = American Conference of Governmental Industrial Hygienists.

A4 = Not Classifiable as a Human Carcinogen.

DSens = Dermal sensitizer.

RSens = Respiratory sensitizer.

Ingredient comments Data based on literature. Product not tested.

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, vapor 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 vapor 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	Colorless liquid.
Color	Colorless.
Odor	Almost odorless.
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.

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Vapor pressure	17.54 mm Hg @ 20°C/68°F
Vapor density	1.27
Relative density	1.001 g/cc 1001 g/l 8.34 lbs/gal
Solubility(ies)	Completely soluble in water.
Partition coefficient	Not applicable.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	Not applicable.
Explosive properties	Not applicable.
Oxidizing properties	Not applicable.
Comments	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.
Volatile organic compound	This product contains a maximum VOC content of 0 g/l. This product contains a maximum VOC content of 0 lbs/gal.
HAPS Content	0.00

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.
Conditions to avoid	Avoid the following conditions: Freezing.
Materials to avoid	Avoid contact with the following materials: Strong alkalis.
Hazardous decomposition products	Heating may generate the following products: Carbon dioxide (CO ₂). 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

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Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 3,001.0

Species Rat

ATE oral (mg/kg) 3,001.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 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 (LC₅₀ 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 Sensitizing.

Skin sensitization

Skin sensitization Sensitizing.

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

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Aspiration hazard

Aspiration hazard

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

12. Ecological information

Ecological information on ingredients.

Ethoxylated Alcohol Surfactant

Acute aquatic toxicity

Acute toxicity - fish

LC₅₀, 96 hours: 3.5-4.9 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates

EC₅₀, 48 hours: 3.1 mg/l, Daphnia magna

Glutaraldehyde

Acute aquatic toxicity

M factor (Acute)

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Acute toxicity - fish

LC₅₀, 96 hours: 64 mg/l, Cyprinodon variegatus (Sheepshead minnow)

Acute toxicity - aquatic invertebrates

LC₅₀, 48 hours: 5.8 mg/l, Freshwater invertebrates

Acute toxicity - aquatic plants

EC₅₀, 72 hours: 1.2 mg/l, Desmodosmus subspicatus

Acute toxicity - microorganisms

EC₅₀, : >50 mg/l, Activated sludge

Acute toxicity - terrestrial

LC₅₀, : 408-466 mg/kg, Anas Platyrhynchos (Mallard duck)

Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates

NOEC, 21 days: 0.24 mg/l, Daphnia magna

Persistence and degradability

Ecological information on ingredients.

Ethoxylated Alcohol Surfactant

Persistence and degradability

The product is readily biodegradable.

Biodegradation

Soil - Degradation >60%: 28 days

Glutaraldehyde

Persistence and degradability

The product is readily biodegradable.

Bioaccumulative potential

Partition coefficient

Not applicable.

Ecological information on ingredients.

Ethoxylated Alcohol Surfactant

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Bio-Accumulative Potential BCF: 15-64, Fish

Partition coefficient log Pow: 3.3-4.4

Glutaraldehyde

Bio-Accumulative 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, DOT).

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

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

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Regulatory References OSHA Hazard Communication Standard, 29 CFR 1910.1200

US Federal Regulations

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

Methanol

SARA 313 Emission Reporting

Methanol

SARA (311/312) Hazard Categories

Glutaraldehyde

Methanol

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins

Methanol

Developmental toxin.

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

Glutaraldehyde

Methanol

California Directors List of Hazardous Substances

The following ingredients are listed:

Glutaraldehyde

Methanol

Massachusetts "Right To Know" List

The following ingredients are listed:

Glutaraldehyde

Methanol

Rhode Island "Right To Know" List

The following ingredients are listed:

Glutaraldehyde

Methanol

Minnesota "Right To Know" List

The following ingredients are listed:

Glutaraldehyde

Methanol

New Jersey "Right To Know" List

The following ingredients are listed:

Glutaraldehyde

Methanol

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Pennsylvania "Right To Know" List

The following ingredients are listed:

Glutaraldehyde

Methanol

Inventories

EU - EINECS/ELINCS

All the ingredients are listed or exempt.

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

Philippines - PICCS

The following ingredients are listed:

Methanol

Taiwan - TCSI

The following ingredients are listed:

16. Other information

Issued by	Matthews Marking Systems - Chemical Services Department
Revision date	8/6/2020
Revision	7
Supersedes date	5/12/2020
SDS No.	4894
SDS status	Approved.

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Hazard statements in full	<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>
NFPA - health hazard	Irritation, minor residual injury. (1)
NFPA - flammability hazard	Will not burn. (0)
NFPA - instability hazard	Normally stable. (0)
ACA HMIS Health rating.	Slight hazard. (1) Chronic hazard. (*)
ACA HMIS Flammability rating.	Will not burn. (0)
ACA HMIS Physical hazard rating.	Normally stable. (0)
ACA HMIS Personal protection rating.	B

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.