



SAFETY DATA SHEET JAM3550 (WB) Cleaner

1. Identification

Product identifier

Product name JAM3550 (WB) Cleaner

Product number 71001962, 71001963

Container size 6 x 1 Liter, 5 Gallon Pail

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 Flam. Liq. 4 - H227

Health hazards Eye Irrit. 2A - H319 STOT SE 3 - H336

Environmental hazards Not Classified

Label elements

Hazard symbols



Signal word Warning

Hazard statements H227 Combustible liquid.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

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Precautionary statements	<p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</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>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
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Contains Isopropanol

3. Composition/information on ingredients

Mixtures

Water, Distilled CAS number: 7732-18-5	80-<90%
Classification Not Classified	
Isopropanol CAS number: 67-63-0	10-<30%
Classification Flam. Liq. 2 - H225 Eye Irrit. 2A - H319 STOT SE 3 - H336	

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.

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.
Ingestion	Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Do not induce vomiting unless under the direction of medical personnel. Get medical attention immediately.
Skin Contact	Remove contaminated clothing immediately and wash skin 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

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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. Vapours may cause drowsiness and dizziness.
Ingestion	May cause stomach pain or vomiting.
Skin contact	May cause irritation. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.
Eye contact	This product is strongly irritating. Vapor or spray may cause temporary (reversible) eye damage. Symptoms following overexposure may include the following: Severe irritation, burning, tearing and blurred vision.

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	Water spray.

Special hazards arising from the substance or mixture

Flammability Class	No Uniform Fire Code noted.
Specific hazards	Vapors are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back.
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO ₂). Carbon monoxide (CO).
<u>Advice for firefighters</u>	
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	No smoking, sparks, flames or other sources of ignition near spillage. 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

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Methods for cleaning up	Eliminate all sources of ignition. 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	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	Do not eat, drink or smoke when using this product. 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. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store in accordance with national regulations.
Storage class	Flammable liquid storage.

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

Isopropanol

Long-term exposure limit (8-hour TWA): OSHA 400 ppm 980 mg/m³

Long-term exposure limit (8-hour TWA): ACGIH 200 ppm 492 mg/m³

Short-term exposure limit (15-minute): ACGIH 400 ppm 984 mg/m³

A4

OSHA = Occupational Safety and Health Administration.

ACGIH = American Conference of Governmental Industrial Hygienists.

A4 = Not Classifiable as a Human Carcinogen.

Ingredient comments	Data based on literature. Product not tested.
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Isopropanol (CAS: 67-63-0)

Immediate danger to life and health	2000 ppm
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Exposure controls

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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	Colored liquid.
Color	Clear. Colorless. Water-white.
Odor	Alcoholic.
Melting point	0°C/32°F
Initial boiling point and range	100°C/212°F @ 760 mm Hg
Flash point	Not relevant.
Evaporation rate	3.0 (butyl acetate = 1)
Upper/lower flammability or explosive limits	Upper flammable/explosive limit: 12.7 % vol Lower flammable/explosive limit: 2.0 % vol
Vapor pressure	32.4 mm Hg @ 20°C/68°F
Vapor density	2.1
Relative density	0.948 g/cc 948 g/l 7.30 lbs/gal
Solubility(ies)	Soluble in the following materials: Alcohols. Completely soluble in water.
Partition coefficient	log Pow: 0.05
Auto-ignition temperature	425°C/797°F

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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 190 g/l. This product contains a maximum VOC content of 1.58 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.
Possibility of hazardous reactions	The following materials may react with the product: Strong oxidizing agents.
Conditions to avoid	Avoid the following conditions: Heat, sparks, flames. Freezing.
Materials to avoid	Avoid contact with the following materials: Strong oxidizing agents.
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.

Specific target organ toxicity - single exposure

Target organs Central nervous system Eyes

Specific target organ toxicity - repeated exposure

Target organs Blood Central nervous system Gastro-intestinal tract Kidneys Liver Skin

Aspiration hazard

Aspiration hazard Not relevant.

Toxicological information on ingredients.

Isopropanol

Acute toxicity - inhalation

Acute toxicity inhalation 73.0
(LC₅₀ vapours mg/l)

ATE inhalation (vapours 73.0
mg/l)

Serious eye damage/irritation

Serious eye Causes serious eye irritation.
damage/irritation

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Carcinogenicity

IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.

12. Ecological information

Ecological information on ingredients.

Isopropanol

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 9640 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates EC₅₀, 24 hours: 5102 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: > 2000 mg/l, Desmodismus subspicatus
EC₅₀, 24 hours: > 1000 mg/l, Algae

Persistence and degradability

Ecological information on ingredients.

Isopropanol

Persistence and degradability The product is readily biodegradable.

Biological oxygen demand 1.19 g O₂/g substance

Chemical oxygen demand 2.23 g O₂/g substance

Bioaccumulative potential

Partition coefficient log Pow: 0.05

Ecological information on ingredients.

Isopropanol

Partition coefficient log Pow: 0.05

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).

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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

Regulatory References OSHA Hazard Communication Standard, 29 CFR 1910.1200

US Federal Regulations

SARA 313 Emission Reporting

Isopropanol

SARA (311/312) Hazard Categories

Isopropanol

Acute
Chronic
Fire

US State Regulations

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

Isopropanol

California Directors List of Hazardous Substances

The following ingredients are listed:

Isopropanol

Massachusetts "Right To Know" List

The following ingredients are listed:

Isopropanol

Rhode Island "Right To Know" List

The following ingredients are listed:

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Isopropanol

Minnesota "Right To Know" List

The following ingredients are listed:

Isopropanol

New Jersey "Right To Know" List

The following ingredients are listed:

Isopropanol

Pennsylvania "Right To Know" List

The following ingredients are listed:

Isopropanol

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

Isopropanol

Japan - ENCS

Isopropanol

Korea - KECI

Isopropanol

China - IECSC

Isopropanol

Philippines - PICCS

The following ingredients are listed:

Isopropanol

New Zealand - NZIOC

Isopropanol

Taiwan - TCSI

The following ingredients are listed:

Isopropanol

16. Other information

Issued by Matthews Marking Systems - Chemical Services Department

Revision date 8/5/2020

JAM3550 (WB) Cleaner

Revision	5
Supersedes date	3/27/2020
SDS No.	5331
SDS status	Approved.
Hazard statements in full	H225 Highly flammable liquid and vapor. H227 Combustible liquid. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.
NFPA - health hazard	Temporary incapacitation, injury. (2)
NFPA - flammability hazard	Ignites easily. (3)
NFPA - instability hazard	Normally stable. (0)
ACA HMIS Health rating.	Moderate hazard. (2) Chronic hazard. (*)
ACA HMIS Flammability rating.	Ignites easily. (3)
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.