



## SAFETY DATA SHEET JAM6825 WB White Ink

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name JAM6825 WB White Ink

Product number 71001998

Container size 5 Gallon Pail

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Printing ink.

Uses advised against No specific uses advised against are identified.

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

Supplier Matthews Marking Systems  
6515 Penn Avenue  
Pittsburgh, PA 15206  
412.665.2500  
412.828.4545  
info@matw.com

Manufacturer Matthews Marking Systems  
101 Fairview Ave.  
Pittsburgh, PA 15238

#### 1.4. Emergency telephone number

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

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification

Physical hazards Not Classified

Health hazards Eye Dam. 1 - H318

Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) Xi; R41. Carc. Cat. 3 R40

#### 2.2. Label elements

##### Pictogram



Signal word Danger

Hazard statements H318 Causes serious eye damage.

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<b>Comments</b>	Full list of Hazard Statements is found in Sec. 16
<b>Precautionary statements</b>	P280 Wear protective gloves/protective clothing/eye protection/face protection. 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.
<b>Contains</b>	N-Propanol, Isopropanol

### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

<b>N-Propanol</b>	<b>10-30%</b>
CAS number: 71-23-8	EC number: 200-746-9
<b>Classification</b>	
Flam. Liq. 2 - H225	
Eye Dam. 1 - H318	
STOT SE 3 - H336	
<b>Isopropanol</b>	<b>1-5%</b>
CAS number: 67-63-0	EC number: 200-661-7
<b>Classification</b>	
Flam. Liq. 2 - H225	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Eye Irrit. 2 - H319	F; R11. Xi; R36. R67
STOT SE 3 - H336	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

<b>General information</b>	Consult a physician for specific advice. 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 immediately.
<b>Ingestion</b>	Get medical attention immediately. 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.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. Rinse cautiously with water for several minutes. Get medical attention promptly if symptoms occur 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.

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

<b>General information</b>	See Section 11 for additional information on health hazards.
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<b>Inhalation</b>	Gas or vapour in high concentrations may irritate the respiratory system. Overexposure may depress the central nervous system, causing dizziness and intoxication.
<b>Ingestion</b>	This product is moderately irritating. May cause nausea, headache, dizziness and intoxication.
<b>Skin contact</b>	Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.
<b>Eye contact</b>	Vapour or spray in the eyes may cause irritation and smarting. May cause temporary eye irritation. Prolonged contact may cause redness and/or tearing.

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

<b>Notes for the doctor</b>	Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

**Unsuitable extinguishing media** None known.

### 5.2. Special hazards arising from the substance or mixture

**Specific hazards** Vapours 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<sub>2</sub>). Carbon monoxide (CO).

### 5.3. Advice for firefighters

**Protective actions during firefighting** 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.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

### 6.1. 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 vapours. Wash thoroughly after dealing with a spillage.

### 6.2. Environmental precautions

**Environmental precautions** Avoid release to the environment.

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

**Methods for cleaning up** Eliminate all sources of ignition. Stop leak if safe to do so. Contain and absorb spillage with sand, earth or other non-combustible material. Dilute contained spill with water. Collect and place in suitable waste disposal containers and seal securely.

### 6.4. 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.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

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

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### 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.

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

**Storage precautions** Keep only in the original container in a cool, well-ventilated place.

**Storage class** Flammable liquid storage.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### N-Propanol

Long-term exposure limit (8-hour TWA): WEL 200 ppm 500 mg/m<sup>3</sup> Austria, Denmark, Finland, France, Spain, Switzerland, United Kingdom

Long-term exposure limit (8-hour TWA): WEL 100 ppm 250 mg/m<sup>3</sup> Belgium

Long-term exposure limit (8-hour TWA): WEL 10 ppm Ireland

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> Latvia

Long-term exposure limit (8-hour TWA): WEL 200 mg/m<sup>3</sup> Poland

Long-term exposure limit (8-hour TWA): WEL 150 ppm 350 mg/m<sup>3</sup> Sweden

Short-term exposure limit (15-minute): WEL 400 ppm 1000 mg/m<sup>3</sup> Denmark, Spain

Short-term exposure limit (15-minute): WEL 250 ppm 620 mg/m<sup>3</sup> Finland

Short-term exposure limit (15-minute): WEL 600 mg/m<sup>3</sup> Poland

Short-term exposure limit (15-minute): WEL 250 ppm 600 mg/m<sup>3</sup> Sweden

Short-term exposure limit (15-minute): WEL 250 ppm 625 mg/m<sup>3</sup> United Kingdom

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##### Isopropanol

Long-term exposure limit (8-hour TWA): WEL 200 ppm 500 mg/m<sup>3</sup> Austria, Belgium, Finland, Germany (AGS), Germany (DFG), Spain, Switzerland

Long-term exposure limit (8-hour TWA): WEL 200 ppm 490 mg/m<sup>3</sup> Denmark

Long-term exposure limit (8-hour TWA): WEL 500 mg/m<sup>3</sup> Hungary

Long-term exposure limit (8-hour TWA): WEL 200 ppm Ireland

Long-term exposure limit (8-hour TWA): WEL 350 mg/m<sup>3</sup> Latvia

Long-term exposure limit (8-hour TWA): WEL 900 mg/m<sup>3</sup> Poland

Long-term exposure limit (8-hour TWA): WEL 150 ppm 350 mg/m<sup>3</sup> Sweden

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m<sup>3</sup> United Kingdom

Short-term exposure limit (15-minute): WEL 800 ppm 2000 mg/m<sup>3</sup> Austria

Short-term exposure limit (15-minute): WEL 400 ppm 1000 mg/m<sup>3</sup> Belgium, Germany (AGS), Germany (DFG), Spain, Switzerland

Short-term exposure limit (15-minute): WEL 400 ppm 980 mg/m<sup>3</sup> Denmark, France

Short-term exposure limit (15-minute): WEL 250 ppm 620 mg/m<sup>3</sup> Finland, Sweden

Short-term exposure limit (15-minute): WEL 2000 mg/m<sup>3</sup> Hungary

Short-term exposure limit (15-minute): WEL 400 ppm Ireland

Short-term exposure limit (15-minute): WEL 600 mg/m<sup>3</sup> Latvia

Short-term exposure limit (15-minute): WEL 1200 mg/m<sup>3</sup> Poland

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m<sup>3</sup> United Kingdom

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

### 8.2. 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, 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

Wear appropriate clothing to prevent repeated or prolonged skin contact.

### Hygiene measures

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. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

Appearance	Coloured liquid.
Colour	White.
Odour	Alcoholic.
Odour threshold	Not available.
pH	pH (concentrated solution): 6.0 - 8.5
Melting point	0°C/32°F
Initial boiling point and range	100°C/212°F @ 760 mm Hg
Flash point	Not applicable.
Evaporation rate	0.89 (butyl acetate = 1)
Upper/lower flammability or explosive limits	Upper flammable/explosive limit: 14 % vol Lower flammable/explosive limit: 2.2 % vol
Vapour pressure	14.5 mm Hg @ 20°C/68°F
Vapour density	2.1
Relative density	1.002 g/cm <sup>3</sup> 1002 g/l 8.34 lbs/gal
Solubility(ies)	Soluble in the following materials: Alcohols. Completely soluble in water.

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<b>Partition coefficient</b>	log Pow: 0.05
<b>Auto-ignition temperature</b>	413°C/775.4°F
<b>Decomposition Temperature</b>	Not applicable.
<b>Explosive properties</b>	Not applicable.
<b>Oxidising properties</b>	Not applicable.
<b>Comments</b>	Data based on literature. Product not tested. 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.

### 9.2. Other information

<b>Volatile organic compound</b>	This product contains a maximum VOC content of 163 g/l. This product contains a maximum VOC content of 1.36 lbs/gal.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
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### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
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### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	The following materials may react with the product: Strong oxidising agents.
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### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Avoid the following conditions: Heat, sparks, flames. Freezing.
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### 10.5. Incompatible materials

<b>Materials to avoid</b>	Avoid contact with the following materials: Strong oxidising agents.
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### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	Heating may generate the following products: Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO).
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>Toxicological effects</b>	Data based on literature. Product not tested.
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#### Specific target organ toxicity - single exposure

<b>Target organs</b>	Central nervous system Eyes Gastro-intestinal tract Respiratory system, lungs Skin
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#### Specific target organ toxicity - repeated exposure

<b>Target organs</b>	Skin
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#### Aspiration hazard

<b>Aspiration hazard</b>	Not anticipated to present an aspiration hazard, based on chemical structure.
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#### Toxicological information on ingredients.

#### N-Propanol

#### Acute toxicity - oral

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<b>Notes (oral LD<sub>50</sub>)</b>	LD <sub>50</sub> 3830 mg/kg, Oral, Rat
<b><u>Acute toxicity - dermal</u></b>	
<b>Notes (dermal LD<sub>50</sub>)</b>	LD <sub>50</sub> > 10,000 mg/kg, Dermal, Rabbit
<b><u>Acute toxicity - inhalation</u></b>	
<b>Notes (inhalation LC<sub>50</sub>)</b>	LD <sub>50</sub> > 9.8 mg/l, Inhalation, Rat
<b><u>Skin corrosion/irritation</u></b>	
<b>Animal data</b>	Slightly irritating.

### Isopropanol

<b><u>Acute toxicity - oral</u></b>	
<b>Acute toxicity oral (LD<sub>50</sub> mg/kg)</b>	5,045.0
<b>Species</b>	Rat
<b>ATE oral (mg/kg)</b>	5,045.0
<b><u>Acute toxicity - dermal</u></b>	
<b>Acute toxicity dermal (LD<sub>50</sub> mg/kg)</b>	12,800.0
<b>Species</b>	Rabbit
<b>ATE dermal (mg/kg)</b>	12,800.0
<b><u>Carcinogenicity</u></b>	
<b>IARC carcinogenicity</b>	IARC Group 3 Not classifiable as to its carcinogenicity to humans.

## SECTION 12: Ecological Information

**Ecotoxicity** Data based on literature. Product not tested.

### 12.1. Toxicity

#### Ecological information on ingredients.

### N-Propanol

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: > 804 mg/l, Pimephales promelas (Fat-head Minnow)
<b>Acute toxicity - aquatic invertebrates</b>	LC <sub>50</sub> , 96 hours: > 804 mg/l, Daphnia magna

### Isopropanol

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 9640 mg/l, Pimephales promelas (Fat-head Minnow)
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 24 hours: 5102 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	EC <sub>50</sub> , 72 hours: > 2000 mg/l, Desmodemus subspicatus EC <sub>50</sub> , 24 hours: > 1000 mg/l, Algae

### 12.2. Persistence and degradability

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### 12.3. Bioaccumulative potential

**Partition coefficient** log Pow: 0.05

### 12.4. Mobility in soil

### 12.5. Results of PBT and vPvB assessment

### 12.6. Other adverse effects

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** 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. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. When handling waste, the safety precautions applying to handling of the product should be considered.

## SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

**Transport in bulk according to** Not applicable.

**Annex II of MARPOL 73/78  
and the IBC Code**

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**EU legislation** Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).



## JAM6825 WB White Ink

### 15.2. Chemical safety assessment

#### 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

The following ingredients are listed or exempt:

**N-Propanol**

**Isopropanol**

##### Japan - MITI

The following ingredients are listed or exempt:

**N-Propanol**

**Isopropanol**

##### Korea - KECI

The following ingredients are listed or exempt:

**N-Propanol**

**Isopropanol**

##### China - IECSC

The following ingredients are listed or exempt:

**N-Propanol**

**Isopropanol**

##### Philippines – PICCS

The following ingredients are listed or exempt:

**N-Propanol**

**Isopropanol**

### SECTION 16: Other information

<b>General information</b>	Containers of this material may be hazardous when emptied, all hazard precautions given in the data sheet must be observed.
<b>Issued by</b>	Matthews Marking Systems - Chemical Services Department
<b>Revision date</b>	31/12/2015
<b>Revision</b>	2
<b>Supersedes date</b>	01/06/2015
<b>SDS number</b>	5456
<b>SDS status</b>	Approved.

## JAM6825 WB White Ink

**Risk phrases in full**

R11 Highly flammable.

R36 Irritating to eyes.

R36/38 Irritating to eyes and skin.

R40 Limited evidence of a carcinogenic effect.

R41 Risk of serious damage to eyes.

R48/20/21/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.

R67 Vapours may cause drowsiness and dizziness.

**Hazard statements in full**

H225 Highly flammable liquid and vapour.

H318 Causes serious eye damage.

H336 May cause drowsiness or dizziness.

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.