

# Material Safety Data Sheet

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Revision Number 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Q4325A Priming Solution for Uncoated Papers (w7200)

**Product Code** Q4325A

**Manufacturer** Michelman, Inc.  
9080 Shell Road  
Cincinnati, Ohio 45236  
(513)793-7766

**Emergency telephone** CHEMTREC: +1-703-527-3887 (INTERNATIONAL)  
1-800-424-9300 (NORTH AMERICA)

## 2. HAZARD IDENTIFICATION

### Emergency Overview

No information available.

**Color** No information available.

**Physical State** Liquid

**Odor** Characteristic

**HMIS** Health Hazard 1 Flammability 0 Stability 0 **PPE** B

**OSHA Regulatory Status** Information listed in Sections 3, 11, and 15 is consistent with the OSHA Hazard Communication Standard (29 CFR 1910.1200) and has also been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR)

### Potential Health Effects

#### Principle Routes of Exposure

No information available.

#### Target Organ Effects

No information available.

### Acute Toxicity

#### Eyes

No known effect based on information supplied

#### Skin

No known effect based on information supplied

#### Inhalation

No known effect based on information supplied

#### Ingestion

No known effect based on information supplied

### Chronic Effects

No known effect based on information supplied

### Aggravated Medical Conditions

None known

### Environmental Hazard

See Section 12 for additional Ecological Information

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Michelman Formulas are confidential and proprietary. All formula components that are hazardous under the OSHA Hazard Communication Standard are listed below.

### 4. FIRST AID MEASURES

<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician
<b>Skin Contact</b>	Wash skin with soap and water
<b>Inhalation</b>	Move to fresh air. If symptoms persist, call a physician.
<b>Ingestion</b>	Rinse mouth. If symptoms persist, call a physician.
<b>Notes to Physician</b>	Treat symptomatically

### 5. FIRE-FIGHTING MEASURES

<b>Flammable Properties</b>	Not flammable
<b>Flash Point Method</b>	Not flammable. Tag closed cup
<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
<b>Extinguishing media which shall not be used for safety reasons</b>	Do not use straight stream of water for fire fighting as the burning material may be spread
<b>Explosive Properties</b>	
<b>Mechanical sensitivity (shock)</b>	Not applicable
<b>Mechanical sensitivity (Friction)</b>	Not applicable

#### **Specific Hazards Arising from the Chemical**

Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes.

#### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Use personal protective equipment
<b>Environmental Precautions</b>	Prevent entry into waterways, sewers, basements or confined areas
<b>Methods for Cleaning Up</b>	Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal

### 7. HANDLING AND STORAGE

<b>Handling</b>	Handle in accordance with good industrial hygiene and safety practice
<b>Storage</b>	Keep container tightly closed Keep at temperatures between -10°C and +30 °C

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure Guidelines</b>	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies
<b>Engineering Measures</b>	Ensure that eyewash stations and safety showers are close to the workstation location
<b>Personal Protective Equipment</b>	
<b>Eye/Face Protection</b>	Safety glasses with side-shields
<b>Skin and Body Protection</b>	Protective gloves
<b>Respiratory Protection</b>	None under normal use conditions
<b>Hygiene Measures</b>	When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Liquid	<b>Color</b>	No information available.
<b>Odor</b>	Characteristic	<b>pH</b>	10 - 12
<b>Specific Gravity</b>	1.000	<b>VOC Content(%)</b>	.065
<b>Viscosity</b>	<50 cps		

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions
<b>Conditions to Avoid</b>	None known
<b>Incompatible Products</b>	None known based on information supplied
<b>Hazardous Decomposition Products</b>	Carbon oxides

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

<b>Chemical Name</b>	<b>LD50 Oral</b>	<b>LD50 Dermal</b>	<b>LC50 Inhalation</b>
Aziridine, homopolymer	2200 mg/kg ( Rat )		

<b>Chronic Toxicity</b>	None known
<b>Carcinogenicity</b>	Contains no ingredient listed as a carcinogen
<b>Mutagenic Effects</b>	None known
<b>Reproductive Toxicity</b>	None known
<b>Target Organ Effects</b>	None known.
<b>Endocrine System</b>	None known

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to microorganisms	Daphnia Magna (Water Flea)
Aziridine, homopolymer		h LC50 96 7.1 mg/L	h EC20 0.5hr 60 mg/L	h EC50 48 8.84 mg/L
ISOPROPANOL	h EC50 96 >1000 mg/L h EC50 72 >1000 mg/L h EC50 96 >1000 mg/L	h LC50 96 Pimephales promelas 9640 mg/L		h EC50 48 13299 mg/L

### Fate and behavior in the environment

Chemical Name	Log Pow
ISOPROPANOL	0.05

## 13. DISPOSAL CONSIDERATIONS

### Waste Disposal Method

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements

### Contaminated Packaging

Dispose of in accordance with local regulations

## 14. TRANSPORT INFORMATION

### DOT

Not regulated

### IATA

Not regulated

### IMDG/IMO

Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

TSCA (USA)	Complies
DSL (Canada)	Complies
EINECS (Europe)	Complies
ENCS (Japan)	Complies
IECSC (China)	Complies
KECL (Korea)	Complies
PICCS (Philippines)	Complies
AICS (Australia)	Complies
ERMA (New Zealand)	Complies
Taiwan	This product complies with TECS

### Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### **SARA 311/312 Hazard Categories**

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

#### **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### **Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) and Volatile Organic Compounds (VOCs) (see 40 CFR 61)**

Chemical Name	CAS-No	Weight %	HAPS data	Volatile Organic Compounds	Class 1 Ozone Depletors	Class 2 Ozone Depletors
ISOPROPANOL	67-63-0	.065		Present		

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### State Regulations

#### **California Prop. 65**

This product does not contain any Proposition 65 chemicals.

#### **U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey
ISOPROPANOL	X

## 16. OTHER INFORMATION

#### **Prepared By**

Michelman, Inc.

#### **Revision Note**

No information available

**Disclaimer**

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Material Safety Data Sheet**