

# Material Safety Data Sheet

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Revision Number 2

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Michem® ILP 040

**Product Code** ILP040

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

**Emergency telephone** +32 (0)70 245 245

## 2. HAZARD IDENTIFICATION

### Emergency Overview

No information available.

**Color** Dark yellow**Physical State** Liquid**Odor** Ammoniacal

**HMIS**                      **Health Hazard** 1/2      **Flammability** 0      **Stability** 0      **PPE** -

**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.

**Chemical Name**  
PROPYLENE GLYCOL

**CAS-No**  
57-55-6

**Weight %**  
1 - 5

#### 4. FIRST AID MEASURES

<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately if symptoms occur.
<b>Skin Contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur.
<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 applicable. 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

#### **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>	Avoid contact with the skin and the eyes Use personal protective equipment
<b>Environmental Precautions</b>	Do not flush into surface water or sanitary sewer system
<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 from freezing

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

##### **Exposure Guidelines**

<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

**Skin and Body Protection**  
**Respiratory Protection**

Protective gloves  
None under normal use conditions

**Hygiene Measures**

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>	Dark yellow
<b>Odor</b>	Ammoniacal	<b>pH</b>	8 - 9
<b>Density</b>	0.99 - 1.01	<b>VOC Content(%)</b>	4.14992883
<b>Viscosity</b>	< 100 cps		

<b>Chemical Name</b>	<b>CAS-No</b>	<b>Weight %</b>
AMMONIA	7664-41-7	.1971

**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**

<b>Acute Toxicity</b>	No information available.
<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**

<b>Chemical Name</b>	<b>Toxicity to Algae</b>	<b>Toxicity to Fish</b>	<b>Toxicity to microorganisms</b>	<b>Daphnia Magna (Water Flea)</b>
AMMONIA				h EC50 48 25.4 mg/L

<b>Chemical Name</b>	<b>Log Pow</b>
AMMONIA	-1.14

### 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**

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
POTASSIUM HYDROXIDE	1000 lb			X
AMMONIA	100 lb			X
SODIUM HYDROXIDE	1000 lb			X

#### **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
PROPYLENE GLYCOL	57-55-6	4.075832		Present		
DIPROPYLENE GLYCOL	25265-71-8	.07409683		Present		

#### **CERCLA**

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
POTASSIUM HYDROXIDE	1000 lb	
AMMONIA	100 lb	100 lb
SODIUM HYDROXIDE	1000 lb	

### 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
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PROPYLENE GLYCOL	X
SODIUM HYDROXIDE	X
SODIUM METABISULFITE	X
AMMONIA	X
POTASSIUM HYDROXIDE	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**