

# SAFETY DATA SHEETS

**This SDS packet was issued with item:**

078360312

N/A



*Peca Products Inc. 800-999-7322*

# Scientific

## Formula MC Lens Fluid

### Material Safety Data Sheet

Chemical Name & Synonyms: N/A

Trade Name & Synonyms: FORMULA-MC Multi-coated Lens Cleaner

Chemical Family: ALCOHOL/CO-SOLVENT BLEND

Formula: N/A

Proper DOT Shipping Name:

DOT Hazard Classification:

Manufacturer: PECA PRODUCTS INC.

Manufacturer's Address: 471 Burton Street; Beloit, WI 53511

Manufacturer's Phone Number: 608-299-1615

#### II. Ingredients

Principal Hazardous Components: IPA-Alcohol solvent

Percent: 15%

Threshold Limit Value (units): 400

#### III. Physical Data

Boiling Point (°F): 210° to 230°

Specific Gravity (H<sub>2</sub>O=1): 1.09

Vapor Pressure (mm Hg.): N/A

Percent Volatile By Volume (%): 99%

Vapor Density (Air-1): N/A

Solubility in Water: Complete

Appearance & Odor: Clear with Alcohol Odor

#### IV. Fire & Explosion Hazard Data

Flash Point (Test Method): 100°F TCC

Flammable Limits:

Auto Ignition Temperature: LEL UEL

Extinguishing Media: WATER, DRY CHEMICAL, CO<sub>2</sub>

Special Fire Fighting Procedures: None

Unusual Fire & Explosion Hazards: None

08/13/2012

## **V. Health Hazard Data**

Threshold Limit Value: Not Established

OSHA Threshold Limit Value: Not Established

ACGIH Threshold Limit Value: Not Established

Carcinogen - NTP Program:

Carcinogen - IARC Program:

Symptoms of Exposure: Eye Irritant

Medical Conditions Aggravated by Exposure:

Primary Route(s) of Entry:

Emergency First Aid: Flush eyes with water for 15 min. If irritation persists, consult physician

## **VI. Reactivity Data**

Stability: Stable

Incompatibility:

Hazardous: May Occur

Polymerization: Will Not Occur

Hazardous Decomposition Products: NONE

Conditions To Avoid:

## **VII. Environmental Protection Procedures**

Spill Response: Flush to drain. Wipe up or soak up with absorbent material.

Waste Disposal Method: Put absorbed material in trash collection.

## **VIII. Special Protection Information**

Eye Protection: None

Skin Protection: None

Ventilation Recommended: None

Respiratory Protection (Specific Type): None

Other Protection:

## **IX. Special Precautions**

Hygienic Practices in Handling & Storage: Store in cool, dry place. Keep away from heat, sparks, or open flame.

Precautions for Repair and Maintenance of Contaminated Equipment:

Other Precautions: Keep out of reach of children

08/13/2012



## SAFETY DATA SHEET

OSHA HCS (29 CFR 1910, 1200)

### Section 1: Product and Company Identification

#### 1.1 Product Identifier

GHS Product Identifier	Not Applicable
Chemical Name	Not Applicable
Trade Name	Formula MC
CAS No	Mixture

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

Identified use(s)	Optics cleaner solution
Uses advised against	None

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

Company Identification	Peca Products, Inc. 471 Burton Street Beloit, WI 53511 (800)-999-7322 (608) 299-1827 <a href="mailto:sales@pecaproducts.com">sales@pecaproducts.com</a>
Telephone	
Fax	
E-Mail	

#### 1.4 Emergency telephone number

Emergency Phone No	Chemtrec 24 hr (800)424-9300
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### Section 2: Hazards Identification

#### 2.1 Classification of the substance or Mixture

OSHA HCS (29 CFR 1910 1200)	Not classified as dangerous for supply/use
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#### 2.2 Label Elements

Hazard Symbol	None
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#### 2.3 Other Hazards

None

#### 2.4 Additional Information



Health	0
Flammability	0
Physical Hazard	0

### SECTION 3: COMPOSITION/INFORMATION on INGREDIENTS

#### 3.2 Mixtures

Hazardous Ingredient(s)	%W/W	CAS No.	Hazard statement(s)
Isopropyl Alcohol	17-20	67-63-0	Flammable liquid. Irritating to eyes May be harmful if swallowed
Water	73-80	7732-18-5	None Anticipated
Propylene Glycol	10	57-55-6	None Anticipated
other*	...	...	*****

\*Ingredients present at <0.1%

#### 3.3 Additional Information

None

## SECTION 4: FIRST AID MEASURES



### 4.1 Description of first aid measures

Inhalation	If symptoms occur, obtain medical attention.
Skin Contact	Wash skin with water. If symptoms occur, obtain medical attention.
Eye Contact	If substance has got into the eyes, wash out with water. If symptoms occur, obtain medical attention.
Ingestion	Drink one glass of water. Do not induce vomiting. If symptoms occur, obtain medical attention.

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

May cause eye irritation

### 4.3 Indication of the immediate medical attention and special treatment needed

None

## Section 5: FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

Suitable Extinguishing Media	None anticipated
Unsuitable Extinguishing Media	

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

None anticipated

### 5.3 Advice for fire-fighters

As appropriate for surrounding fire.  
>90% Water

## Section 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Not normally required

### 6.2 Environmental precautions

Not normally required

### 6.3 Methods and material for containment and clean up

Contain and cover spilled substance with dry sand or earth or other suitable dry material. Transfer to a container for disposal or recovery. Provide adequate ventilation.

### 6.4 Reference to other sections

None

### 6.5 Additional information

None

## Section 7: Handling and Storage

### 7.1 Precautions for safe handling

Wash affected skin with plenty of water. Remove contaminated clothing and wash clothing before reuse. Provide adequate ventilation. Avoid contact with skin, eyes or clothing.

**7.2 Conditions for safe storage. Including any incompatibilities**

Storage Temperature Store at room temperature  
 incompatible materials None

**7.3 Specific end use(s)** Optics cleaner solution

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters**

**8.1.1 Occupational Exposure Limits**

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)		STEL (ppm)		Note
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Isopropyl alcohol	67-67-0	400	200	xxx	400	xxx

LTEL: Long Term Exposure Limit: STEL: Short Term Exposure Limit

**8.1.2 Recommended monitoring method** NIOSH 1400

**8.2 Exposure controls**

**8.2.1 Appropriate engineering controls** Not normally required

**8.2.2 Personal protection equipment**

Eye/face protection Not required under normal consumer use.  
 Industrial use: Safety glasses



Skin protection (hand protection/other) Not required under normal consumer use.  
 Industrial use: Wear suitable gloves if prolonged skin contact is likely



Respiratory protection Not required under normal consumer use.  
 Industrial use: in case of inadequate ventilation wear respiratory protection



Thermal hazards Not normally required

**8.2.3 Environmental Exposure Controls**

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

Appearance	Liquid
Color	Clear
Odor	Not available
Odor Threshold (ppm)	Not available
pH (Value)	7
Melting Point / Freezing Point (C)	Not available
Boiling point/boiling range (C )	Not determined
Flash Point (C )	37.7 (100 F)
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Explosive limit ranges	Not available
Vapor Pressure (Pascal)	Not available
Vapor Density (Air=1)	Not available
Density (g/ml)	Not available
Specific Gravity	0.95 @ 22 C
Solubility (Water)	Soluble
Solubility (other)	Not Known
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Temperature (C )	Not available
Decomposition Temperature	Not available
Kinematic Viscosity (mPas) @ 22C	<10
Explosive properties	Not explosive
Oxidizing properties	Not oxidizing

9.2 Other information

Not available

**SECTION 10: STABILITY AND REACTIVITY**

10.1 Reactivity	Stable under normal conditions
10.2 Chemical stability	Stable
10.3 Possibility of hazardous reactions	None anticipated
10.4 Conditions to avoid	Heat
10.5 Incompatible materials	None anticipated
10.6 Hazardous Decomposition Product(s)	Carbon Monoxide

**SECTION 11: TOXICOLOGICAL INFORMATION**

11.1 Information on toxicological effects

11.1.1 Substances

Not applicable

11.1.2 Mixtures

Acute toxicity	Not available
Irritation	Not available
Corrosivity	Not available
Sensitization	Not available
Repeated dose toxicity	Not available
Carcinogenicity	IARC, NTP, OSHA, ACGIH do not list this product or any components thereof as known or suspected carcinogen
Mutagenicity	Not available
Toxicity for reproduction	Not available

11.1.3 Substances in preparations / mixtures

IARC, NTP, OSHA, ACGIH do not list this product or any components thereof as known or suspected carcinogen. Isopropyl Alcohol (CAS No. 67.63.0)

**Acute toxicity**

Oral: LD50 = 5.84 g/kg (rat)  
Inhalation: LC50 > 1000 ppm (rat) 6 hours  
Dermal: LD50 = 16.4 ml/kg (rabbit) 24 hours

**Irritant**

Irritating to eyes

**Sensitization**

It is not a skin sensitizer

**Repeated dose toxicity**

NOAEL = 5,000 ppm (inhalation)

11.2 Other information

None known

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### Substances in preparations / mixtures

Isopropyl Alcohol (CAS 67-63-0)

#### Biodegradability

Biodegradable

#### Bioaccumulative potential

The product has no potential for bioaccumulation

#### Acute toxicity

LC50 (96 hour) 10,000 mg/l (Fathead minnow (*Pimephales promelas*))

LC50 24 hours >10,000 mg/l (*Daphnia magna*)

#### Long Term Toxicity

NOEC: 3.37 µmol/l (*Daphnia magna*) (Growth rate)

### 12.2 Persistence and degradability

The organic part of the product is biodegradable

### 12.3 Bioaccumulative potential

The product has no potential for bioaccumulation

### 12.4 Mobility in soil

The product has high mobility in soil

### 12.5 Results of PBT and vPvB assessment

Not classified as PBT or vPvB

### 12.6 Other adverse effects

None known

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice

### 13.2 Additional information

None known

## SECTION 14: TRANSPORT INFORMATION

In accordance with: 49CFR 173 120(a)(5), ADR Annex A.2.2.3.1.1 Note 1; ICAO 2.3.1.3(c); IATA DGR 3.3.1.3(c); and IMO 2.3.1.3.3

### 14.1 DOT (DEPARTMENT OF TRANSPORTATION)

Not classified as dangerous for transport

UN Number

Proper shipping name

Transport hazard class(s)

Packing Group

Hazard label(s)

Environmental hazards

Special precautions for user

### 14.2 Land transport (ADR/RID)

Not classified as dangerous for transport

UN number

Proper Shipping Name

Transport hazard class(s)

Packing Group

Hazard label(s)

Environmental hazards

Special precautions for user

### 14.3 Sea Transport (IMDG)

Not classified as dangerous for transport

UN number

Proper shipping name

Transport hazard class(s)

Packing group

Marine Pollutant

Special precautions for user

### 14.4 Air Transport (ICAO/IATA)

UN number

1993 N.O.S.

Proper shipping name

Combustable Liquid N.O.S.

Transport hazard class(s)

Packing Group

Environmental hazards

Special precautions for user



14.5 Transport in bulk according to Annex II of  
MARPOL73/78 and the IBC Code

Not applicable

## SECTION 15: REGULATORY INFORMATION

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

TSCA (Toxic Substance Control Act)	Inventory Status: All components listed or polymer exempt
RCRA Hazard Waste Number (40 CFR 261.33)	None
US RCRA Hazard Class	None
SARA 311/312 - Hazard Categories	None
Fire Sudden Release Reactivity Immediate (acute) Chronic (delayed)	
SARA 313 - Toxic Chemicals (40 CFR 372)	None
SARA 302 - Extremely Hazardous Substances	None

## SECTION 16: OTHER INFORMATION

Additional Information	None
Revision date:	5/4/2016
The following sections contain revisions or new statements:	Section 1

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