

## SAFETY DATA SHEET

### 1. Identification

<b>Product identifier</b>	<b>MI-GLOW® WCP</b>
<b>Other means of identification</b>	None.
<b>Recommended use</b>	Non-destructive testing.
<b>Recommended restrictions</b>	None known.
<b>Manufacturer / Importer / Supplier / Distributor information</b>	
<b>Company name</b>	Circle Systems, Inc.
<b>Address</b>	1210 Osborne Road St. Marys, GA 31558
<b>Telephone</b>	912-729-2735
<b>E-mail</b>	customerservice@circlesafe.com
<b>Emergency phone number</b>	Chem-tel 800-255-3924 (US & Canada); +1-813-248-0585 (International)

### 2. Hazard(s) identification

<b>Physical hazards</b>	Flammable aerosols Gases under pressure	Category 1 Compressed gas
<b>Health hazards</b>	Specific target organ toxicity, single exposure Eye Irritant	Category 3 narcotic effects Category 2
<b>Environmental hazards</b>	Hazardous due to the aquatic environment, acute hazard	Category 2
<b>OSHA defined hazards</b>	Not classified.	
<b>Label elements</b>		
<b>Signal word</b>	Danger	
<b>Hazard statement</b>	Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes serious eye irritation. May cause drowsiness or dizziness.	
<b>Precautionary statement</b>		
<b>Prevention</b>	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid breathing mist or vapor. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/clothing/eye/face protection. Wash hands and exposed skin after use.	
<b>Response</b>	If swallowed: Immediately call a poison center/doctor. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. Do NOT induce vomiting.	
<b>Storage</b>	Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.	
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.	
<b>Hazard(s) not otherwise classified (HNOC)</b>	Not classified.	

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	CAS number	%*
Acetone	67-64-1	60-70

Propane	74-98-6	10-20
Talc	14807-96-6	1-10
Glycol Ether PM Acetate	108-65-6	1-10
Xylene	1330-20-7	< 1
Titanium Dioxide	13463-67-7	5-15

**Additional information** Other Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below.

**Contains** Ethylbenzene (CAS# 100-41-4)

#### 4. First-aid measures

<b>Inhalation</b>	If symptoms develop move victim to fresh air. If breathing is labored, administer oxygen. Call a POISON CENTER or doctor/physician if you feel unwell.
<b>Skin contact</b>	Wash off with soap and water. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Rinse with water for several minutes. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
<b>Most important symptoms/effects, acute and delayed</b>	None.
<b>Indication of immediate medical attention and special treatment needed</b>	If Swallowed: Immediately call a POISON CONTROL CENTER or a doctor/physician.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

#### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Dry chemical powder. Dry chemicals. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	Contents under pressure. Pressurized container may explode when exposed to heat or flame. Highly flammable vapor (flash point below 23°C).
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire-fighting equipment/instructions</b>	Cool containers exposed to heat with water spray and remove container, if no risk is involved. Containers should be cooled with water to prevent vapor pressure build up.
<b>Specific methods</b>	Move containers from fire area if you can do so without risk.
<b>General fire hazards</b>	Extremely flammable aerosol.

#### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Keep upwind. Keep out of low areas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Local authorities should be advised if significant spillages cannot be contained.
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**Methods and materials for containment and cleaning up**

Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Use water spray to reduce vapors or divert vapor cloud drift. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

**Environmental precautions**

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Inform appropriate managerial or supervisory personnel of all environmental releases.

**7. Handling and storage****Precautions for safe handling**

Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Ground and bond containers when transferring material. Avoid inhalation of aerosols. Use only in well-ventilated areas. Do not re-use empty containers. Avoid breathing mist or vapor. Avoid prolonged or repeated contact with skin.

**Conditions for safe storage, including any incompatibilities**

Do not handle or store near an open flame, heat or other sources of ignition. Protect from direct sunlight. Do not puncture, incinerate or crush. Store away from incompatible materials (see Section 10 of the SDS). Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F.

**8. Exposure controls/personal protection****Occupational exposure limits****US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value
Acetone (CAS 67-64-1)	PEL	1000
Xylene (CAS 1330-20-7)	PEL	100 ppm
Ethylbenzene (CAS 100-41-1)	PEL	100 ppm
Propane (CAS 74-98-6)	PEL	1000 ppm
Talc (CAS 14807-96-6)	PEL	20 mppcf

**US ACGIH Threshold Limit Values**

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	500
	STEL	750
Xylene (CAS 1330-20-7)	TWA	100 ppm
	STEL	150 ppm
Ethylbenzene (CAS 100-41-1)	TWA	20 ppm

Propane (CAS 74-98-6)	TWA	Aspyx.#
Talc (CAS 14807-96-6)	TWA	2mg/m <sup>3</sup>

<b>Recommended monitoring method</b>	NIOSH 1300 (Ketones I); NIOSH 1500 (hydrocarbons, B.P. 36-126 °C); NIOSH 1501 (Hydrocarbons, Aromatic)
<b>Appropriate engineering controls</b>	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Wear protective eyewear (goggles, face shield, or safety glasses).
<b>Skin protection</b>	
<b>Hand protection</b>	Wear suitable gloves if prolonged skin contact likely (butyl rubber).
<b>Other</b>	Wear suitable protective clothing.
<b>Respiratory protection</b>	Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment. Check with protective equipment manufacturer's data.
<b>Thermal hazards</b>	Not normally required. Used gloves with insulation for thermal protection, when needed.
<b>General hygiene considerations</b>	When using, do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

### Appearance

<b>Physical state</b>	Liquid.
<b>Form</b>	Aerosol can.
<b>Color</b>	White.
<b>Odor</b>	Acetone-like.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not available.
<b>Flash point</b>	-104 °C (-155 °F); Propane
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Extremely flammable aerosol.
<b>Explosive limit range</b>	2.1%-9.5%v/v. (Propane)
<b>Vapor pressure (Pascal)</b>	ca. 95 X 10 <sup>4</sup> (Propane)
<b>Vapor density (Air=1)</b>	ca. 1.56 @ 0°C (Propane)
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	465°C (869°F) Acetone
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Explosive properties</b>	Not explosive.
<b>Oxidizing properties</b>	Not oxidizing.

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Avoid temperatures exceeding the flash point. Contact with incompatible materials. Avoid temperatures above 122°F (50°C).
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Carbon monoxide, carbon dioxide, and acrid smoke.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	May cause drowsiness and dizziness. Headache. Nausea, vomiting. May cause irritation to the respiratory system. Prolonged inhalation may be harmful.
<b>Skin contact</b>	May cause skin irritation.
<b>Eye contact</b>	May cause eye irritation.

### Information on toxicological effects

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
Acetone (CAS 67-64-1)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 15800 mg/kg, bw
<i>Inhalation</i>		
LC50	Rat	76 mg/l, 4 hours
<i>Oral</i>		
LD50	Rat	5800 mg/kg, bw
Xylene (CAS 1330-20-7)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 5000 mg/kg, bw
<i>Inhalation</i>		
LC50	Rat	27.6 mg/l, 4 hours
<i>Oral</i>		
LD50	Rat	3520 mg/kg, bw
<b>Skin corrosion/irritation</b>	Prolonged skin contact may cause temporary irritation.	
<b>Serious eye damage/eye irritation</b>	Direct contact with eyes may cause temporary irritation.	
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.	
<b>Skin sensitization</b>	This product is not expected to cause skin sensitization.	
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.	
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>		
Not listed.		
<b>Reproductive toxicity</b>	Not expected to be a reproductive hazard.	
<b>Specific target organ toxicity – single exposure</b>	May cause drowsiness and dizziness.	
<b>Specific target organ toxicity – repeated exposure</b>	Not classified.	
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways.	
<b>Chronic effects</b>	Prolonged inhalation may be harmful.	

**Other information** Contains: Ethylbenzene (CAS# 100-41-4). A3 - Confirmed Animal Carcinogen (ACGIH)

## 12. Ecological information

**Ecotoxicity** Toxic to aquatic life.  
**Persistence and degradability** Readily biodegradable.  
**Bioaccumulative potential** This substance has low potential for bioaccumulation.  
**Mobility in soil** This substance has high mobility in soil.  
**Results of PBT and vPvB** Not applicable.  
**Other adverse effects** None known.

## 13. Disposal considerations

**Disposal instructions** Contents under pressure. Do not puncture, incinerate or crush. Dispose in accordance with all local/regional/national/international regulations.  
**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

## 14. Transport information

### DOT

**UN number** UN1950  
**UN proper shipping name** Aerosols, Flammable, Ltd Qty  
**Transport hazard class(es)**  
**Class** 2.1  
**Subsidiary risk** -  
**Label(s)** 2.1, Ltd Qty  
**Packing group** Y203  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.  
**Packaging exceptions** 306  
**Packaging non bulk** None.  
**Packaging bulk** None.

### IATA

**UN number** UN1950  
**UN proper shipping name** Aerosols, Flammable, Ltd Qty  
**Transport hazard class(es)**  
**Class** 2.1  
**Subsidiary risk** -  
**Label(s)** 2.1, Ltd Qty  
**Packing group** Y203  
**Environmental hazards** No.  
**ERG Code** 10L  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

### IMDG

**UN number** UN1950  
**UN proper shipping name** Aerosols, Flammable, Ltd Qty  
**Transport hazard class(es)**  
**Class** 2.1  
**Subsidiary risk** -  
**Label(s)** 2.1, Ltd Qty  
**Packing group** Not applicable.  
**Environmental hazards**  
**Marine pollutant** No.  
**EmS** Not available.

**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.

## 15. Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
All components are on the U.S. EPA TSCA Inventory List or polymer exempt.

### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt D)

Not regulated.

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

### CERCLA Hazardous Substance List (40 CFR 302.4)

Chemical Name	CAS No.	Typical % wt.	RQ (pounds)
Acetone	67-64-1	70-80	5000
Xylene (mixed isomers)	1330-20-7	< 1	100
Ethylbenzene	100-41-4	< 0.2	1000

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard Categories** Immediate Hazard – Yes  
Delayed Hazard – Yes  
Fire Hazard – Yes  
Pressure Hazard – Yes  
Reactivity Hazard – No

**SARA 302 Extremely hazardous substance** None.

**SARA 311/312 Hazardous chemical** Yes

### SARA 313 (TRI reporting)

Chemical Name	CAS No.	Typical % wt.
Acetone	67-64-1	
Ethylbenzene	100-41-4	

### US state regulations

#### US California Proposition 65

WARNING: This product contains chemicals known to the State of California to cause cancer.

#### US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Toulene (CAS 108-88-3)\*; Benzene (CAS 71-43-2)\*; Methanol (CAS 67-56-1)\*

\*Trace amounts.

### International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

**Issue date** 19-January-2015  
**Revision date** 14-February-2019  
**Version #** 03

**HMIS® ratings**

Health: 2  
Flammability: 4  
Physical hazard: 0

**NFPA Ratings****List of abbreviations**

LC50: Lethal Concentration, 50%.  
LD50: Lethal Dose, 50%.  
PEL: Permissible exposure limit  
STEL: Short term exposure limit  
TWA: Time weighted average

**References**

HSDB® - Hazardous Substances Data Bank

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