SAFETY DATA SHEET

1. Identification

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

2. Hazard(s) identification

Physical hazards: Flammable aerosols Category 1
Gases under pressure Compressed gas
Health hazards: Specific target organ toxicity, single exposure Category 3 narcotic effects
   Eye Irritant Category 2
Environmental hazards: Hazardous due to the aquatic environment, acute hazard Category 2
OSHA defined hazards: Not classified.
Label elements:
   Signal word: Danger
   Hazard statement: Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes serious eye irritation. May cause drowsiness or dizziness.
   Precautionary statement:
      Prevention 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.
      Response 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.
      Storage 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.
      Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC): Not classified.

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>%*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>60-70</td>
</tr>
</tbody>
</table>
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

Inhalation
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.

Skin contact
Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact
Rinse with water for several minutes. Get medical attention if irritation develops and persists.

Ingestion
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.

Most important symptoms/effects, acute and delayed
None.

Indication of immediate medical attention and special treatment needed
If Swallowed: Immediately call a POISON CONTROL CENTER or a doctor/physician.

General information
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media
Water fog. Dry chemical powder. Dry chemicals. Carbon dioxide (CO2).

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical
Contents under pressure. Pressurized container may explode when exposed to heat or flame. Highly flammable vapor (flash point below 23°C).

Special protective equipment and precautions for firefighters
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire-fighting equipment/instructions
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.

Specific methods
Move containers from fire area if you can do so without risk.

General fire hazards
Extremely flammable aerosol.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
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.
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)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone (CAS 67-64-1)</td>
<td>PEL</td>
<td>1000</td>
</tr>
<tr>
<td>Xylene (CAS 1330-20-7)</td>
<td>PEL</td>
<td>100 ppm</td>
</tr>
<tr>
<td>Ethylbenzene (CAS 100-41-1)</td>
<td>PEL</td>
<td>100 ppm</td>
</tr>
<tr>
<td>Propane (CAS 74-98-6)</td>
<td>PEL</td>
<td>1000 ppm</td>
</tr>
<tr>
<td>Talc (CAS 14807-96-6)</td>
<td>PEL</td>
<td>20 mppcf</td>
</tr>
</tbody>
</table>

US ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone (CAS 67-64-1)</td>
<td>TWA</td>
<td>500</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>750</td>
</tr>
<tr>
<td>Xylene (CAS 1330-20-7)</td>
<td>TWA</td>
<td>100 ppm</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>150 ppm</td>
</tr>
<tr>
<td>Ethylbenzene (CAS 100-41-1)</td>
<td>TWA</td>
<td>20 ppm</td>
</tr>
</tbody>
</table>
Propane (CAS 74-98-6)  TWA  Aspyx.

Talc (CAS 14807-96-6)  TWA  2mg/m³

Recommended monitoring method
NIOSH 1300 (Ketones I); NIOSH 1500 (hydrocarbons, B.P. 36-126 °C); NIOSH 1501 (Hydrocarbons, Aromatic)

Appropriate engineering controls
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.

Individual protection measures, such as personal protective equipment

Eye/face protection
Wear protective eyewear (goggles, face shield, or safety glasses).

Skin protection
Hand protection
Wear suitable gloves if prolonged skin contact likely (butyl rubber).

Other
Wear suitable protective clothing.

Respiratory protection
Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment. Check with protective equipment manufacturer’s data.

Thermal hazards
Not normally required. Used gloves with insulation for thermal protection, when needed.

General hygiene considerations
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

Physical state
Liquid.

Form
Aerosol can.

Color
White.

Odor
Acetone-like.

Odor threshold
Not available.

pH
Not available.

Melting point/freezing point
Not available.

Initial boiling point and boiling range
Not available.

Flash point
-104 °C (-155 °F); Propane

Evaporation rate
Not available.

Flammability (solid, gas)
Extremely flammable aerosol.

Explosive limit range
2.1%-9.5%v/v. (Propane)

Vapor pressure (Pascal)
ca. 95 X 104 (Propane)

Vapor density (Air=1)
ca. 1.56 @ 0°C (Propane)

Relative density
Not available.

Solubility(ies)

Solubility (water)
Not available.

Partition coefficient
(n-octanol/water)
Not available.

Auto-ignition temperature
465°C (869°F) Acetone

Decomposition temperature
Not available.

Viscosity
Not available.

Other information

Explosive properties
Not explosive.

Oxidizing properties
Not oxidizing.
10. Stability and reactivity

Reactivity
The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability
Material is stable under normal conditions.

Possibility of hazardous reactions
No dangerous reaction known under conditions of normal use.

Conditions to avoid
Avoid temperatures exceeding the flash point. Contact with incompatible materials. Avoid temperatures above 122°F (50°C).

Incompatible materials
Strong oxidizing agents.

Hazardous decomposition products
Carbon monoxide, carbon dioxide, and acrid smoke.

11. Toxicological information

Information on likely routes of exposure

Inhalation
May cause drowsiness and dizziness. Headache. Nausea, vomiting. May cause irritation to the respiratory system. Prolonged inhalation may be harmful.

Skin contact
May cause skin irritation.

Eye contact
May cause eye irritation.

Information on toxicological effects

Components
Species
Test Results

Acetone (CAS 67-64-1)

Acute

Dermal
LD50
Rabbit
> 15800 mg/kg, bw

Inhalation
LC50
Rat
76 mg/l, 4 hours

Oral
LD50
Rat
5800 mg/kg, bw

Xylene (CAS 1330-20-7)

Acute

Dermal
LD50
Rabbit
> 5000 mg/kg, bw

Inhalation
LC50
Rat
27.6 mg/l, 4 hours

Oral
LD50
Rat
3520 mg/kg, bw

Skin corrosion/irritation
Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation
Direct contact with eyes may cause temporary irritation.

Respiratory sensitization
Not a respiratory sensitizer.

Skin sensitization
This product is not expected to cause skin sensitization.

Germ cell mutagenicity
No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity
This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

Reproductive toxicity
Not expected to be a reproductive hazard.

Specific target organ toxicity – single exposure
May cause drowsiness and dizziness.

Specific target organ toxicity – repeated exposure
Not classified.

Aspiration hazard
May be fatal if swallowed and enters airways.

Chronic effects
Prolonged inhalation may be harmful.
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.
- 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.

**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.
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)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Typical % wt.</th>
<th>RQ (pounds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>70-80</td>
<td>5000</td>
</tr>
<tr>
<td>Xylene (mixed isomers)</td>
<td>1330-20-7</td>
<td>&lt; 1</td>
<td>100</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>100-41-4</td>
<td>&lt; 0.2</td>
<td>100</td>
</tr>
</tbody>
</table>

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)

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</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*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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