

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
Address
Circle Systems, Inc.
479 West Lincoln Ave.

P.O Box 1228 Hinckley, IL 60520

Telephone 815-286-3271

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

Hazardous due to the aquatic environment, Category 2

acute hazard

OSHA defined hazards

Environmental hazards

Label elements

Not classified.



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

Category 2

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

| 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 pr which have been assigned occupational expos | | |
| Contains | Ethylbenzene (CAS# 100-41-4) | | |

4. First-aid measures

InhalationIf 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

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

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

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

Fire-fightingCool containers exposed to heat with water spray and remove container, if no risk is involved. **equipment/instructions**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.

None.

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)

| Components | Туре | 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 | Туре | 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/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. Aerosol can. **Form** Color White. Odor Acetone-like. Odor threshold Not available. Hq Not available.

Melting point/freezing point Initial boiling point and boiling

range Flash point Not available. Not available.

-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** Not available.

(n-octanol/water)

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

Decomposition temperature Not available. Not available. **Viscosity**

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

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 -May cause drowsiness and dizziness.

single exposure

Specific target organ toxicity -

repeated exposure **Aspiration hazard**

May be fatal if swallowed and enters airways.

Chronic effects Prolonged inhalation may be harmful.

MI-GLOW®WCP SDS US

Not classified.

Other information

12. Ecological information

EcotoxicityToxic 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 instructionsContents 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 QtyPacking groupNot 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)

None.

Hazard Categories Immediate Hazard – Yes Delayed Hazard – Yes

Fire Hazard – Yes
Pressure Hazard – Yes
Reactivity Hazard – No

SARA 302 Extremely

hazardous substance

SARA 311/312 Hazardous Yes

chemical

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

Yes

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** 15-November-2017

Version # 02

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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