

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/16/2014

Reviewed on 05/16/2014

1 Identification

- **Product identifier**
- **Trade name:** CM1 Waterbased White Ink
- **Article number:** CM1-SP-G-76-W-6 ; CM1-W-G-INEX
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Printing inks
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Marsh Shipping Supply Co.,LLC
926 McDonough Lake Road - Unit E
Collinsville, IL 62234
USA
- **Information department:** customerservice@msscllc.com
- **Emergency telephone number:**
Infotrac
1 800 535 5053
352 323 3500 (International)

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS07

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2A H319 Causes serious eye irritation.

-
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Read MSDS before using
 - **Information concerning particular hazards for human and environment:**
Contact with skin and inhalation of aerosols/ vapours of the preparation should be avoided.
The product does not have to be labeled due to the calculation procedure of international guidelines.
 - **Classification system:**
The classification was made according to the latest editions of international substances lists and from component data and msds information
-
- **Label elements**
 - **Labelling according to EU guidelines:**
Observe the general safety regulations when handling chemicals.
The product is not subject to identification regulations according to directives on hazardous materials.
 - **Information pertaining to particular dangers for man and environment:**
 - **Inhalation** Can cause irritation of the nose, throat, and lungs
 - **Potential Chronic Health Effects** Irritation of skin or organs.
 - **Classification system:**
 - **NFPA ratings (scale 0 - 4)**



Health = 1
Fire = 1
Reactivity = 0

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

· HMIS-ratings (scale 0 - 4)

HEALTH	1	Health = 1
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

- Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

3 Composition/information on ingredients

- Chemical characterization: Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.

· Hazardous components		
25322-68-3	Polyethylene glycol	71.39%
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	18.597%
	 Xi R36/37/38  Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	
13463-67-7	titanium dioxide	8.496%
7631-86-9	silicon dioxide, chemically prepared	0.566%
21645-51-2	aluminium hydroxide	0.378%
533-74-4	dazomet (ISO)	0.13%
	 Xn R22;  Xi R36;  N R50/53  Acute Tox. 4, H302; Eye Irrit. 2A, H319	

- Additional information:
For the wording of the listed risk phrases refer to section 16.
This product contains pigments which may become a dust nuisance when removed by abrasive blasting or sanding.
Airborne nuisance particulates have an ACGIH TLV for total dust of 10mg/M³

4 First-aid measures

- Description of first aid measures
- General information: No special measures required.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Immediately rinse with water for 15 minutes. If irritation exists call physician.
- After eye contact:
Rinse opened eye for fifteen minutes under running water. If irritation persists, consult a doctor.
- Information for doctor:
- Most important symptoms and effects, both acute and delayed No further relevant information available.
- Indication of any immediate medical attention and special treatment needed
No further relevant information available.

5 Fire-fighting measures

- Extinguishing media
- Suitable extinguishing agents:
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire fighting measures that suit the environment.

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- **Special hazards arising from the substance or mixture**
Nitrogen oxides (NO_x)
Carbon monoxide (CO)
- **Advice for firefighters**
- **Protective equipment:** No special measures required.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Use respiratory protective device against the effects of fumes/dust/aerosol.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:** Pick up mechanically.
- **Reference to other sections**
No dangerous substances are released.
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Keep receptacles tightly sealed.
No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

25322-68-3 Polyethylene glycol

WEEL Long-term value: 10 mg/m³
(H); MW>200

14807-96-6 Talc (Mg₃H₂(SiO₃)₄)

PEL Long-term value: 20 mppcf ppm
(containing <1% Quartz)

REL Long-term value: 2* mg/m³
*respirable dust

TLV Long-term value: 2* mg/m³
*as respirable fraction; E

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13463-67-7 titanium dioxide

PEL	Long-term value: 15* mg/m ³ *total dust
REL	See Pocket Guide App. A
TLV	Long-term value: (10) NIC-1* mg/m ³ *respirable fraction, NIC-A3

7631-86-9 silicon dioxide, chemically prepared

PEL	Long-term value: 80 / %sio ₂ mg/m ³
TLV	Short-term value: 10 mg/m ³ Long-term value: 4 E mg/m ³

21645-51-2 aluminium hydroxide

PEL	Long-term value: 15* 5** mg/m ³ 15 total, 5 respirable (nuisance)
REL	Long-term value: 2 mg/m ³ as Al
TLV	Long-term value: 1* mg/m ³ as Al; *as respirable fraction

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Avoid contact with the eyes and skin.

· **Breathing equipment:**

Use suitable respiratory protective device in case of insufficient ventilation.

Use only with adequate ventilation.

· **Protection of hands:** Neoprene gloves

· **Eye protection:** Not required.

· **Body protection:** Protective work clothing

9 Physical and chemical properties

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

· **General Information**

· **Appearance:**

Form: Solid

Color: White

· **Odor:** Alcohol-like

· **Odour threshold:** Not determined.

· **pH-value:** Not applicable.

· **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 201 °C (394 °F)

· **Flash point:** 156 °C (313 °F)

· **Flammability (solid, gaseous):** Not determined.

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· Ignition temperature:	
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapor pressure:	Not applicable.
· Density at 20 °C (68 °F):	1.37 g/cm ³ (11.433 lbs/gal)
· Relative density	Not determined.
· Vapour density	Not applicable.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with Water:	Insoluble.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
· Solvent content:	
Organic solvents:	0.0 %
Solids content:	100.0 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** Reacts with acids, alkalis and oxidizing agents.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** Hydrocarbons

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

533-74-4 dazomet (ISO)

Oral	LD50	640 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.

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- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	2B	18.597%
13463-67-7	titanium dioxide	2B	8.496%
7631-86-9	silicon dioxide, chemically prepared	3	0.566%
14808-60-7	Quartz (SiO ₂)	1	0.094%

- **NTP (National Toxicology Program)**

14808-60-7	Quartz (SiO ₂)	K	0.094%
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12 Ecological information

- **Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **Persistence and degradability** No further relevant information available.

- **Behavior in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:** Not known to be hazardous to water.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:** Smaller quantities can be disposed of with household waste.

- **Uncleaned packagings:**

- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**

- **DOT, ADR, ADN, IMDG, IATA** Void

- **UN proper shipping name**

- **DOT, ADR, ADN, IMDG, IATA** Void

- **Transport hazard class(es)**

- **DOT, ADR, ADN, IMDG, IATA**

- **Class** Void

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- | | |
|--|-----------------|
| · Packing group | |
| · DOT, ADR, IMDG, IATA | Void |
| · Environmental hazards: | Not applicable. |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation": | - |

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

· Section 313 (Specific toxic chemical listings):

533-74-4	dazomet (ISO)	0.13%
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· SARA Title III Section 311/312 - Hazard Communication Standard (40 CFR 370)

14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	18.597%
13463-67-7	titanium dioxide	8.496%
13845-36-8	pentapotassium triphosphate	0.16%
533-74-4	dazomet (ISO)	0.13%

· RCRA: Resource Conservation and Recovery Act / Code

533-74-4	dazomet (ISO)	U366	0.13%
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· TSCA (Toxic Substances Control Act):

All ingredients are listed or exempt.

25322-68-3	Polyethylene glycol
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)
13463-67-7	titanium dioxide
7631-86-9	silicon dioxide, chemically prepared
21645-51-2	aluminium hydroxide
13845-36-8	pentapotassium triphosphate
533-74-4	dazomet (ISO)
14808-60-7	Quartz (SiO ₂)

· Proposition 65 /Chemicals known to cause cancer:

Acetaldehyde, 1,4-Dioxane, ethylene oxide, formaldehyde (gas) found in Polyethylene glycol.

14808-60-7	Quartz (SiO ₂)	0.094%
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· Proposition 65: Chemicals Known to Cause Reproductive Toxicity Ethylene oxide found in Polyethylene glycol.

· ACGIH Carcinogen

14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	A4	18.597%
13463-67-7	titanium dioxide	A4	8.496%
14808-60-7	Quartz (SiO ₂)	A2	0.094%

· Cancerogenity categories

· TLV (Threshold Limit Value established by ACGIH)

14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	A4	18.597%
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13463-67-7	titanium dioxide	A4	8.496%
14808-60-7	Quartz (SiO ₂)	A2	0.094%

· **NIOSH (National Institute for Occupational Safety and Health)**

14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	Guidelines 81-123	18.597%
13463-67-7	titanium dioxide	*	8.496%
14808-60-7	Quartz (SiO ₂)	*	0.094%

· **CERCLA- SARA Title III: 40 CFR Part 302, Table 302.4**

533-74-4	dazomet (ISO)	## pounds	0.13%
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· **State regulations**· **New Jersey Right-to-know**

533-74-4	dazomet (ISO)	DOT: 2588 Sub NO>: 3664	0.13%
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· **Massachusetts Right-to-know / Hazardous Substance Codes**

14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	2,4 F5	18.597%
13463-67-7	titanium dioxide	4	8.496%
7631-86-9	silicon dioxide, chemically prepared	2,4,5 F5	0.566%
14808-60-7	Quartz (SiO ₂)	1,2,4 *E*C* F5	0.094%

· **Florida Hazardous / Toxic Substance Lists**

7631-86-9	silicon dioxide, chemically prepared	Toxic	0.566%
14808-60-7	Quartz (SiO ₂)	Toxic	0.094%

· **Pennsylvania Hazardous Substances**

14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	Listed	18.597%
13463-67-7	titanium dioxide	Listed	8.496%
7631-86-9	silicon dioxide, chemically prepared	Listed	0.566%

· **Minnesota Right To Know / Hazardous Substances**

25322-68-3	Polyethylene glycol	I	71.39%
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	Listed	18.597%
13463-67-7	titanium dioxide	A	8.496%
7631-86-9	silicon dioxide, chemically prepared	Codes ANOR, Carcinogen	0.566%
14808-60-7	Quartz (SiO ₂)	Codes A	0.094%

· **Illinois Right To Know**

533-74-4	dazomet (ISO)	S6
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· **Product related hazard informations:**

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations according to directives on hazardous materials.

· **National regulations:**· **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

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To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

· Relevant phrases

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

R22 Harmful if swallowed.

R36 Irritating to eyes.

R36/37/38 Irritating to eyes, respiratory system and skin.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· Contact: Compliance Department
· Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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