

# Material Safety Data Sheet

## Cleaning Wipes

Data of Preparation: Oct 21, 2022

Rev: 001

### Section 1 - Chemical Product and Company Identification

**Product/Chemical Name** Cleaning Wipes  
**Chemical Formula** Solid and surfactant mixture  
**CAS Number** Proprietary  
**Other Designations** Not applicable  
**General Use** Lens cleaning  
**Producer** CMA Global Co., Ltd.  
29, Palgong-ro 47-gil, Dong-gu,  
Daegu 41028, Republic of Korea  
**Emergency number** +82-(0)53-721-6079

### Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS No.	% wt or % Vol.
Di-water	7732-18-5	45~55%
Ethanol	64-17-5	1~3%
Pulp, cellulose	65996-61-4	45~55%
Surfactant	Trade Secret	<0.1%

### Section 3 - Hazards Identification

Classification according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/eye irritation

Category 2A

Flammable liquids

Category 2

Skin Sensitization

Category 1(1A/1B)

#### GHS Label Elements

Symbol(s)



**Signal Word**    Warning

**Hazard Statement(s)**

H225    Flammable liquid and vapor  
H319    Causes serious eye irritation  
H335    May cause respiratory irritation

**Precautionary Statements**

**Prevention**

P201    Obtain instruction manual before use.  
P202    Do not handle until all safety precautions have been read and understood.  
P210    Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. No smoking.  
P233    Keep container tightly closed.  
P240    Ground container and containment equipment.  
  
P242    Use non-sparking tools.  
P243    Take anti-static measures.  
P271    Use only outdoors or in a well-ventilated area.  
P280    Wear protective gloves/protective clothing/safety glasses/face protection.

**Response**

P303+P361+P353    IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
P304+P340    Use suitable extinguishing media such as CO2, dry chemical,  
P305+P351+P338    water spray, etc. to extinguish the fire.  
P308+P313    IF exposed or concerned: Get medical advice/attention.  
P314    Get Medical advice/attention if you feel unwell.  
P337+P313    Get medical advice/attention.

**Storage**

P403+P233    Store in a well ventilated place. Keep container tightly closed.  
P403+P235    Store in a well ventilated place. Keep cool.  
P405    Store locked up.

**Disposal**

P501    Dispose of contents/container in accordance with relevant laws and regulations.

## Section 4 - First Aid Measures

<b>Eye Contact</b>	Flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses, if worn. If irritation persists, seek medical attention.
<b>Skin Contact</b>	Wash with water After first aid, get appropriate in-plant, paramedic, or Community medical support
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if discomfort continues or if you feel unwell.
<b>Swallowing</b>	If symptoms persist consult doctor.
<b>Most important symptoms/effects, acute and delayed</b>	Ensure that medical personnel are aware of the substance and take protective action.

## Section 5 - Fire-Fighting Measures

<b>Suitable Extinguishing Media</b>	For extinguishing involving this material, use alcohol foam, carbon dioxide or water spray. Use dry sand or soil for asphyxiation extinguishing
<b>Special hazards arising from the chemical</b>	Vapors may cause dizziness or suffocation without awareness. Some can burn but do not ignite easily.
<b>Special protective actions or fire-fighters</b>	Rescuers must wear appropriate protective equipment. Get out of the area and keep a safe distance to extinguish.

## Section 6 - Accidental Release Measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of this SDS.
<b>Environmental precautions</b>	Spills can cause contamination. Prevent entry into waterways, sewers, basements and confined spaces. Do not release to the environment.

## Section 7 - Handling and Storage

<b>Precautions for safe handling</b>	Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in
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**Conditions for safe storage, including any incompatibilities**

process area to prevent formation of vapor. Obtain special instructions. Do not handle until all safety precautions have been read and understood. Store in a closed container away from incompatible materials. Use care in handling/storage. Store away from incompatible materials (see Section 10 of the SDS). Store in accordance with local/regional/national/international regulation. Store in a cool, dry, well-ventilated place.

## **Section 8 - Exposure Controls / Personal Protection**

**Occupational Exposure Limits**

**Ingredient Name**

**ACGIH TLV**

Ethanol

TWA: 1000 ppm

STEL: 1000 ppm

Pulp, cellulose

TWA:: 10mg/m<sup>3</sup>

**Personal Protective Equipment**

Goggles, Gloves

**Biological limit values**

No biological exposure limits noted for the ingredient(s).

**Exposure guidelines**

Follow standard monitoring procedures.

**Engineering Controls**

Ventilation: Adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors. Provide easy access to water supply and eye wash facilities.

**Eye Protection**

Wear chemical safety glasses with side shields or goggles

**Skin Protection**

Protective gloves: Chemical-resistant

**Other protective equipment**

Wear suitable protective clothing. Remove contaminated clothing promptly.

**Respiratory Protection**

No special respiratory protection is recommended under anticipated conditions of normal use with adequate ventilation.

**Thermal Hazards**

Wear protective clothing for high temperature or high pressure splash protection if necessary.

**Work/hygienic practices**

Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Safety shower and eye wash should be available close to work areas.

## **Section 9 - Physical and Chemical Properties**

**Physical State**

Solid

<b>Appearance and Odor</b>	Solid and Alcohol
<b>Vapor Pressure</b>	No data
<b>Vapor Density(Air=1)</b>	No data
<b>Weight</b>	No data
<b>Specific Gravity (H<sub>2</sub>O=1, at 4 °C)</b>	No data
<b>pH</b>	6-7
<b>Water Solubility</b>	No data
<b>Boiling Point</b>	No data
<b>Freezing/Melting Point</b>	No data
<b>Volatile(%)</b>	None at Room Temperature(23 °C)
<b>Evaporation Rate</b>	No data

## Section 10 - Stability and Reactivity

<b>Stability</b>	Stable under normal conditions.
<b>Reactivity</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions</b>	None under normal use.
<b>Conditions to Avoid</b>	unknown
<b>Hazardous Decomposition Products</b>	None
<b>Special Notes For Use on Goggle Lenses or Respirator Windows</b>	Coating left on lens or window is non-toxic, non-combustible and will not vaporize at temperatures below 70°C (158°F)

## Section 11- Toxicological Information

### Information about the likely route of exposure

#### Health hazard information

<b>Acute toxic(oral)</b>	LD50 7,670 mg/Kg Rat (Ethanol), LD50 2400 mg/Kg Rat (N-[3-(Trimethoxysilyl)propyl]ethylenediamine), LD50 16000mg/Kg (Water)
<b>Acute toxic(Dermal)</b>	LD50 16000mg/Kg Rabbit (N-[3-(Trimethoxysilyl)propyl]ethylenediamine)
<b>Acute toxic(Inhalation)</b>	LC50 116.9 mg/L 4hr Rat (Ethanol)
<b>Skin corrosive/irritant</b>	Not occur.
<b>Serious eye damage /eye irritation</b>	Causes serious eye irritation(Ethanol), eye irritation (N-[3-(Trimethoxysilyl)propyl]ethylenediamine)
<b>Respiratory sensitization</b>	No data
<b>Skin sensitization</b>	Sensitization (N-[3-(Trimethoxysilyl)propyl]ethylenediamine)
<b>Carcinogenicity</b>	No data

<b>Germ Cell Mutagenicity</b>	No data
<b>Reproductive toxicity</b>	Suspected of damaging fertility or the unborn child.
<b>Specific target Organ toxicity (single exposure)</b>	May cause damage to organs.
<b>Specific target Organ toxicity (repeated exposure)</b>	No data
<b>Aspiration hazard</b>	No data

## Section 12 - Ecological Information

<b>Ecotoxicity</b>	LC50 > 100 mg/L 96 hr Pimephales promelas(ethanol), LC50 200 mg/l 96 hr Lepomis macrochirus(N-[3-(Trimethoxysilyl)propyl]ethylenediamine)
<b>Persistence and degradability</b>	log Kow -0.32 (Ethanol), log Kow -1.67 N-[3-(Trimethoxysilyl)propyl]ethylenediamine)
<b>Bioaccumulative potential</b>	No data available
<b>Mobility in soil</b>	No data

## Section 13 - Disposal Considerations

<b>Disposal</b>	Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable federal, state, and local regulations.
<b>Disposal Regulatory Requirements</b>	Dispose of it in one of the following ways. 1. Incinerate. 2. After treatment by evaporation and concentration method, incinerate the residue. 3. After purification by separation, distillation, extraction, and filtration, incinerate the residue. 4. Treat using neutralization, oxidation, reduction, polymerization, and condensation reactions. 5. Residues must be incinerated or reprocessed by coagulation, sedimentation, filtration, and dehydration methods. Incinerate the water

## Section 14 - Transport Information

### DOT Transportation Data (49 CFR 172.101):

<b>UN number</b>	No hazardous substances
<b>UN proper shipping name</b>	None

**Transport hazard class**           None

**Packing group(if applicable)**   None

**Marine pollution(yes/no)**       No data

**Special precaution which a user to be aware of or needs to comply with in connection with transport or conveyance either within or outside their premises :** Not applicable

## **Section 15 - Regulatory Information**

### **EPA Regulations:**

RCRA Hazardous Waste           Not listed (40 CFR 261.33)  
Number

RCRA Hazardous Waste           Not classified  
Classification

CERCLA Hazardous Substance (40 CFR 302.4) listed/unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311 (b) (4); CWA, Sec. 307(a), CAA, Sec. 112

SARA 311/312 Codes:

SARA Toxic Chemical           Not listed  
(40 CFR 372.65)

SARA EHS(Extremely           Not listed  
Hazardous Substance)  
(40 CFR 355)

Threshold Planning Quantity (TPQ)

### **OSHA Regulations**

Air Contaminant (29 CFR 1910.   Not listed  
1000, Table Z-1, Z-1-A)

### **State Regulations:**

**Canada**                               This product has a WHMIS classification of D2B.

### **EU regulation**

EU SVHC list                       Not applicable

EU Authorization list           Not applicable

EU restriction list               Not applicable

## **Section 16 - Other Information**

**Revision Notes**                   **Oct 21, 2022.**

**Additional   Hazard   Rating**   Not applicable  
**Systems**

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