



미원상사주식회사  
Miwon Commercial Co., Ltd.

Material Safety Data Sheet (MSDS)

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**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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- a. Product name :** MIAMI CS25
- b. Recommended use of the chemical and restrictions on use :**
- . **Recommended use :** Shampoo, Cleanser, Detergent and Emulsifier
  - . **Restrictions on use :** NO DATA
- c. Information on manufacture/supplier/distributor**
- . **Company name :** Miwon Commercial co.,Ltd.
  - . **Address :** 405-3, Mongnae-dong, Danwon-gu, Ansan-si, Gyeonggi-do, 425-100, Korea
- d. Emergency telephone**
- Tel : +82-31-491-6249                      Fax : +82-31-491-7228
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**2. HAZARDS IDENTIFICATION**

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- a. Hazard classification**
- Skin corrosion / Irritation Category 2  
Serious eye damage / eye irritation Category 2A
- b. Label elements including precautionary statements**
- . **Pictograms**



- . **Signal words** : WARNING.
- . **Hazard statements**  
H315 Causes skin irritation  
H319 Causes serious eye irritation
- . **Precautionary statements**  
**Prevention**  
P264 Wash hands thoroughly after handling

P280 Wear protective gloves/protective clothing/eye protection/.../face protection

### **Response**

P321 Specific treatment (see ... on this label)

P362 Take off contaminated clothing and wash before reuse

P302+P352 IF ON SKIN: Wash with plenty of soap and water

P332+P313 If skin irritation occurs: Get medical advice/attention

P337+P313 Get medical advice/attention

P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

### **Storage**

P404 Store in a closed container

### **Disposal**

P501 Dispose of contents/container to ... in accordance with local/regional/national/international regulations (to be specified).

### **c. Other hazards which do not result in classification**

. **NFPA Rating** : Health=1, Flammability=0, Instability=0

(0 = Insignificant / 1 = Slight / 2 = Moderate / 3 = High / 4 = Extreme)

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## **3. COMPOSITION / INFORMATION ON INGREDIENTS**

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### **Component A**

- 1) **Chemical name** : Sodium N-Cocoyl Glutamate
- 2) **Synonyms** : N-Cocoyl-Glutamate, Sodium salt
- 3) **Chemical Abstract Service No. (CAS No.)** : 68187-32-6
- 4) **Content (%)** : 25.0%

### **Component B**

- 1) **Chemical name** : Water
- 2) **Chemical Abstract Service No. (CAS No.)** : 7732-18-5
- 3) **Content (%)** : 75.0 %

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## **4. FIRST AID MEASURES**

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### **a. Eye contact**

Wash eyes immediately with large amounts of water or normal saline, occasionally lifting upper and lower lids, until no evidence of chemical remains. Get medical attention immediately.

### **b. Skin contact**

Remove contaminated clothing and shoes immediately. Wash with soap or mild detergent and large amounts of water until no evidence of chemical remains (at least 15-20 minutes). Get medical attention, if needed.

**c. Inhalation**

Remove from exposure immediately. Use a bag valve mask or similar device to perform artificial respiration (rescue breathing) if needed. Get medical attention.

**d. Ingestion**

If vomiting occurs, rinse mouth and keep head lower than hips to help prevent aspiration. Get medical attention, if needed.

**e. Most Important acute and delayed symptoms/effects**

Swallowing may nauseate and cause pain in esophagus and stomach.

**f. First aid and notes for physicians**

Treat symptomatically. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

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## 5. FIRE FIGHTING MEASURES

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**a. Suitable(and unsuitable) extinguishing media**

Water, carbon dioxide, alcohol foam or dry chemical.

**b. Specific hazards arising from the chemical(e.g hazardous combustion products**

Flammable Liquid may release vapors that form flammable mixtures when temperatures are at or above the flash point. Toxic gases will form upon combustion.

**c. Special protective equipment and precautions for fire-fighters**

Firefighters should wear self-contained breathing apparatus and protective clothing.  
Wear full protective clothing and self-contained breathing apparatus.

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## 6. ACCIDENTAL RELEASE MEASURES

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**a. Measures required for personal and protective equipment**

Wear appropriate clothing. Wear respiratory protection. Eliminate all sources of ignition.  
Vapours can accumulate in low areas.

**b. Measures required for environment protection**

Try to prevent the material from entering drains or water courses..

**c. Clean-up and removal method**

. **Small spills** : Absorb with sand or other non-combustible material. Collect spilled material in

appropriate container for disposal.

- . **Large spills** : Dike for later disposal. Remove sources of ignition. Keep unnecessary people away, isolate hazard area and deny entry.

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## 7. HANDLING AND STORAGE

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### a. Precautions for safe handling

Avoid heat, sunlight, ignition sources. Handle with care. Open only under well ventilated conditions. Loosen closure cautiously before opening. When using this substance, avoid breathing, ingestion and use respiratory protection when in dust or mist form. Wear chemical goggles resistant gloves and protective clothing to prevent contact. Wash thoroughly after handling.

### b. Conditions for safe storage(including incompatibilities)

Store only in tightly closed, properly vented containers away from heat, sparks, open flame and strong oxidizing agents. Storage temp. 4 - 49°C .

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

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### a. Exposure limits of the chemical substance,biological exposure limits and etc.

Not available

### b. Appropriate engineering controls

Provide mechanical ventilation of confined spaces. Use explosion-proof ventilation equipment.

### c. Personal protective equipment

#### . Protection of respiratory system

Respiratory protection if there is a risk of exposure to high vapour concentration.

#### . Eye protection

Chemical goggles or face shield

#### . Hand protection

Chemical resistant gloves

#### . Body protection

Wear appropriate chemical resistant clothing

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### a. Appearance

Liquid

### b. Odor

characteristic odor

### c. Odor threshold

No data

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|---|----------------------|
| <b>d. pH</b>  | 7.0 ~ 9.0 (3% soln.) |
| <b>e. Melting point/freezing point</b>              | < 0°C                |
| <b>f. Initial boiling point/boiling range</b>       | > 100°C              |
| <b>g. Flash Point</b>                               | No data              |
| <b>h. Evaporation rate</b>                          | No data              |
| <b>i. Flammability(solid,gas)</b>                   | No data              |
| <b>j. Upper/lower flammable or explosive limits</b> | No data              |
| <b>k.Vapor Pressure</b>                             | No data              |
| <b>l. Solubility</b>                                | Soluble              |
| <b>m. Vapor Density</b>                             | No data              |
| <b>n. Specific gravity</b>                          | No data              |
| <b>o. Partition coefficient/n-octanol/water</b>     | No data              |
| <b>p. Auto-ignition temperature</b>                 | No data              |
| <b>q. Decomposition Temperature</b>                 | No data              |
| <b>r. Viscosity</b>                                 | < 100 cps (at 25°C)  |
| <b>s. Molecular Weight</b>                          | 354.2                |

## 10. STABILITY AND REACTIVITY

### a. Chemical stability

This material is stable under recommended storage and handling conditions.

### b. Possibility of hazardous reactions

Strong oxidizing agents

### c. Conditions to avoid

Avoid heat, flames, sparks and other sources of ignition.

### d. Incompatible materials

Flammable materials, oxidizing materials.

### e. Hazardous decomposition products

oxides of carbon, nitrogen.

## 11. TOXICOLOGICAL INFORMATION

### a. Information on the likely routes of exposure

. Respiratory system : No data

. Oral : No data

- . **Eye** : irritation
- . **Skin** : irritation

**b. Delayed and immediate effects and chronic effects form short or long term exposure**

. **Acute toxicity(All routes of possible exposure shall be mentioned.)**

LD50(oral) : No data

LD50(Dermal) : No data

LC50(Inhalation) : No data

- . **Skin corrosion/irritation** : irritation
- . **Serious eye damage/ eye irritation** : irritation
- . **Respiratory sensitization** : Not available
- . **Skin sensitization** : No data
- . **Carcinogenicity** : Not available
- . **Germ cell mutagenicity** : No data
- . **Reproductive toxicity** : No data
- . **Specific target organ toxicity (single exposure)** : No data
- . **Specific target organ toxicity (repeated exposure)** : No data
- . **Aspiration hazard** : Not available

**c. Numeric measure of toxicity(acute toxicity estimation) : No data**

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## 12. EFFECTS ON THE ENVIRONMENT

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**a. Aquatic and terrestrial ecotoxicity**

No data

**b. Persistence and degradability**

No data

**c. Bioaccumulation**

No data

**d. Mobility in Soil** : No data

**e. Other adverse effects** : No data

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## 13. DISPOSAL CONSIDERATIONS

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**a. Disposal methods**

Dispose in accordance with all applicable federal, state and local laws and regulations.

**b. Precautions for disposal (Including the disposal method of contaminated container and packages)**

Dispose in accordance with all applicable federal, state and local laws and regulations.

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**14. TRANSPORT INFORMATION**

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- a. **UN number** : Not assigned
  - b. **UN proper shipping name** : Not Regulated
  - c. **Transport hazard classes** : Not Regulated
  - d. **Packing group** : No data
  - e. **Marine pollutant(yes/no)** : No data
  - f. **Information on any special precautions, which a user needs to be aware of, or needs to comply with in connection with transport** : No data
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**15. REGULATORY INFORMATION**

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- a. **Industrial Safety and Health Law** : Not Regulated
- b. **Toxic Chemical Control Law** : Not Regulated
- c. **Dangerous Substance Safety Management Law** : Not Regulated
- d. **Wastes Management Law** : No data
- e. **Other regulations in domestic and foreign countries** :
  - . **United States Federal Regulations**
    - CERCLA 103 (40CFR302.4) : Not regulated
    - SARA 302 (40CFR355.30) : Not regulated
    - SARA 304 (40CFR355.40) : Not regulated
    - SARA 311/312 (40CFR370.21)
      - Acute : No
      - Chronic : No
      - Fire : No
      - Reactivity : No
      - Sudden Release : No
    - SARA 313 (40CFR372.65) : Not regulated
    - OSHA : Not regulated
  - . **State Regulations**
    - California Proposition 65 : Not regulated
  - . **European Regulations**
    - EINECS Classification : Not classified

**. National Inventory Status**

U.S. Inventory (TSCA) : on the listed

TSCA 12(b) Export Notification : Not listed

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**16. OTHER INFORMATION**

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**a. Sources of reference materials**

Miwon Commercial Co., Ltd. Research Center DB

**b. The first date of preparation** : Jun. 18. 2010

**c. Number of revision times and the latest revision date**

. **Revision times** : 1

. **The latest revision date** : Dec. 30, 2010

**d. Others**

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