

# Safety Data Sheet

## 1. IDENTIFICATION

|                         |                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------|
| <b>Product Name:</b>    | <b>Cellulose Ether HPMC HP400</b>                                                                    |
| <b>Other Names:</b>     | Cellulose Ether, Cellulose, Landercoll HPMC                                                          |
| <b>Recommended Use:</b> | Gypsum base plasters/renders                                                                         |
| <b>Supplier:</b>        | Global Chemie ASCC Limited                                                                           |
| <b>Street Address:</b>  | 88/123 Moo 2 Bangpoo Industrial Estate (North), Phraek Sa Mai, Mueang Samutprakan, Samutprakan 10280 |
| <b>Telephone:</b>       | +66 2324 6888                                                                                        |
| <b>Fax:</b>             | +66 2324 6898-99                                                                                     |
| <b>Emergency phone:</b> | +66 2324 6888 ext.320                                                                                |

## 2. HAZARDS IDENTIFICATION

### Hazardous Nature

This product is not classified as hazardous under GHS criteria.

### Hazardous Classification

No data available.

### Hazardous Statement

No data available.

### GHS Pictograms

No data available.

### Hazard Statements

No data available.

### Precautionary Statements

No data available.

### Response Statements

#### If on skin

No data available.

#### If inhaled

No data available.

#### If in eye

No data available.

### Storage Statements

No data available.

### Disposal Statements

No data available.

**Signal Word** No data available.

**3. COMPOSITION: Information on Ingredients**

| Chemical Ingredient                                                       | CAS No.   | UN No. | Proportion (%v/v) |
|---------------------------------------------------------------------------|-----------|--------|-------------------|
| Hydroxypropyl Methyl cellulose                                            | 9004-65-3 | -      | 85-95             |
| Other substances (not contributing to the classification of this product) | -         | -      | 5-15              |

Molecular Formula:  $(C_2H_6O_2)_x(C_4H_8O)_x$

Molecular Weight: No data available.

**4. FIRST AID MEASURES**

For advice, contact Ramathibodi Poison Centre (Phone: 1367) or a doctor.

**Description of first aid measures**

General notes: In all cases of doubt, or when symptoms persist, seek medical attention.

**Inhalation**

If breathed in, move a person into fresh air immediately. If not, breathing give artificial respiration.

If breathing is difficult, give oxygen. Get medical aid.

**Skin Contact**

Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reusing.

**Eye Contact**

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.

Get medical aid.

**Ingestion**

Never give anything by mouth to an unconscious person. Get medical aid. DO NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cups of milk or water.

**Notes for the doctor**

Treat symptomatically and supportively.

**Most important symptoms and effects, both acute and delayed**

No data available.

**Indication of the immediate medical attention and special treatment needed**

People with pre-existing skin, eye, or respiratory disease may be at increased risk from the irritant or allergic properties of this material. Attending to physician should treat exposed patients symptomatically.

**5. FIRE FIGHTING MEASURES****General Information**

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**Suitable extinguishing media**

Use agent most appropriately to extinguish fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

**Unsuitable extinguishing media**

For this substance/mixture no limitations of extinguishing agents are given.

**Special hazards arising from the substance or mixture**

No data available.

**Advice for fire-fighters**

Wear self-contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Avoid breathing vapors, mist or gas.

**Environmental precautions**

Do not let product enter drains.

**Methods and material for containment and cleaning up**

Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, and then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation.

7. HANDLING AND STORAGE

**Precautions for safe handling**

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing.

**Conditions for safe storage**

Store in a tightly closed container. Store in a cool, dry, well-ventilated place away from incompatible substances.

8. EXPOSURE CONTROLS: PERSONAL PROTECTION

**Control parameters**

**Occupational exposure limit values:**

There are no currently occupational exposure limit values established for the substance.

**Exposure controls**

**Appropriate engineering controls**

Use adequate ventilation to keep airborne concentrations low.

**Personal protective equipment:**

Eye and face protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Respiratory protection: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Exposure Limits

| Chemical Name                  | ACGIH       | NIOSH       | OSHA - Final PELs |
|--------------------------------|-------------|-------------|-------------------|
| Hydroxypropyl Methyl Cellulose | none listed | none listed | none listed       |

**OSHA Vacated PELs:** Hydroxypropyl Methyl Cellulose Ether: No OSHA Vacated PELs are listed for this chemical

Thermal hazards: Wear suitable protective clothing to prevent heat.

Environmental exposure controls: Avoid discharge into the environment. According to local regulations, Federal and official regulations.

9. PHYSICAL AND CHEMICAL PROPERTIES

| Property                                              | Unit of Measurement   | Typical Value                                                  |
|-------------------------------------------------------|-----------------------|----------------------------------------------------------------|
| Appearance                                            | -                     | Powder                                                         |
| Odour                                                 | -                     | odorless                                                       |
| pH                                                    | -                     | 5.0 - 9.0 at 1% water solution                                 |
| Boiling point                                         | °C                    | No data available                                              |
| Melting point                                         | °C                    | No data available                                              |
| Flash point                                           | °C                    | No data available                                              |
| Flammability                                          |                       | Combustible solid                                              |
| Autoignition Temperature                              | °C                    | 170                                                            |
| Decomposition Temperature                             | °C                    | No data available                                              |
| Lower/Upper Flammability Limits                       | g/m <sup>3</sup>      | Upper: No data available<br>Lower: 30                          |
| Density @ 20°C                                        | Kg/cm <sup>3</sup>    | 200 - 550                                                      |
| Specific Gravity @ 20°C                               | -                     | No data available                                              |
| Viscosity @ 20°C                                      | cSt.s                 | No data available                                              |
| Vapor pressure                                        | mmHg                  | No data available                                              |
| Vapor density                                         | kPa (Air = 1)         | No data available                                              |
| Evaporation Rate                                      | (n-Butyl acetate = 1) | No data available                                              |
| Water Solubility                                      | g/100 ml              | Soluble in water and gel will form with the temperature rising |
| Solubility in other solvents<br>Partition coefficient | (n-octanol/water)     | No data available                                              |
| Coefficient of Thermal Expansion                      | per Deg °C            | No data available                                              |
| Particle Characteristics                              | -                     | No data available                                              |
| Dust explosion class                                  | -                     | St1                                                            |

The values listed are indicative of this product’s physical and chemical properties. For a full product specification, please consult the Product Data Sheet.

10. STABILITY AND REACTIVITY

Chemical Stability

Stable under normal temperatures and pressures.

Conditions to avoid

Incompatible materials, dust generation, excess heat, strong oxidants, moisture.

Hazardous decomposition products

Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

Hazardous Polymerisation

Has not been reported.

**Chemical Reactivity**

No data available.

**Possibility of hazardous reactions**

No data available.

**Incompatible materials**

Oxidizing agents.

**11. TOXICOLOGICAL INFORMATION****Toxicokinetics, metabolism and distribution**

No data available.

**Information on toxicological effects**

**Acute toxicity:** No data available.

**Skin corrosion/irritation:**

Skin, rabbit: no data available.

**Serious eye damage/irritation:**

Eyes, rabbit: no data available.

**Respiratory or skin sensitization:**

Guinea pig maximization test: no data available.

**CMR effects (Carcinogenicity, Mutagenicity and Toxicity for Reproduction):**

No data available.

**STOT-single exposure and repeated exposure:**

No data available.

**Additional information**

**LD50/LC50:** No data available.

**Carcinogenicity:** No data available.

**Teratogenicity:** No data available.

**Reproductive Effects:** No data available.

**Mutagenicity:** No data available.

**Neurotoxicity:** No data available.

**Other Studies:** No data available.

**12. ECOLOGICAL INFORMATION****Toxicity**

Acute toxicity to fish: No data available.

Acute toxicity to daphnia: No data available.

Acute toxicity to algae: No data available.

Acute toxicity to bacteria: No data available.

**Persistence and degradability**

No data available.

**Bioaccumulative potential**

No data available.

**Mobility in soil**

No data available.

**Results of PBT and vPvB assessment**

No data available.

**Other adverse effects**

No data available.

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods**

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**RCRA P-Series:** No data available.

**RCRA U-Series:** No data available.

**14. TRANSPORT INFORMATION**

| Road and Rail Transport |               | Marine Transport     |               | Air Transport        |               |
|-------------------------|---------------|----------------------|---------------|----------------------|---------------|
| UN. Number              | Not Regulated | UN. Number           | Not Regulated | UN. Number           | Not Regulated |
| Class/Item              | Not Regulated | Class/Item           | Not Regulated | Class/Item           | Not Regulated |
| Hazard Symbol           | Not Regulated | Hazard Symbol        | Not Regulated | Hazard Symbol        | Not Regulated |
| Proper Shipping Name    | Not Regulated | Proper Shipping Name | Not Regulated | Proper Shipping Name | Not Regulated |
| Packing Group           | Not Regulated | Packing Group        | Not Regulated | Packing Group        | Not Regulated |
|                         |               | Marine Pollutant     | Not Regulated |                      |               |

**15. REGULATORY INFORMATION****Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulation**

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

**Other chemical regulation**

**USA - TSCA:** This substance is listed in the inventory.

**Canada - DSL:** This substance is listed in the inventory.

**Australia - AICS:** This substance is listed in the inventory.

**Korea - ECL:** This substance is listed in the inventory.

**Japan - ENCS:** This substance is listed in the inventory.

**China - IECSC:** This substance is listed in the inventory.

**Chemical Safety Assessment**

No Chemical Safety Assessment has been carried out for this substance.

**16. OTHER INFORMATION**

National Fire Protection Association : No data available  
(USA)

SDS Distribution : The information contained herein is based on our current knowledge of the underlying data and is intended to describe the product for the purpose of health, safety and environmental requirements only. No warranty of guarantee is expressed or implied regarding the accuracy

of these data or the results to be obtained from the use of the product.

Prepared By : Quality Control Department / Global Chemie ASCC Limited

**Abbreviations:**

**CLP:** EU regulation (EC) No 1272/2008 on classification, labelling and packaging of chemical substances and mixtures.

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

**EINECS:** European Inventory of Existing Commercial Chemical Substances.

**RID:** European Rail Transport.

**IMDG:** International Maritime Code for Dangerous Goods.

**IATA:** International Air Transport Association.

**OSHA:** The United States Occupational Safety and Health Administration.

**TSCA:** Toxic Substances Control Act, The American chemical inventory.

**DSD:** Dangerous Substance Directive (67/548/EEC).

**IECSC:** Inventory of existing chemical substances in China.

**DSL:** Domestic Substances List, The Canadian chemical inventory.

**AICS:** The Australian Inventory of Chemical Substances.

**ECL:** Existing Chemicals List, the Korean chemical inventory.

**ENCS:** Japanese Existing and New Chemical Substances.

**References:**

- Supplier Material Safety Data Sheets

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. No warranty and guarantee are expressed or implied regarding the accuracy of these data or the results to be obtained from the use of the product for further information, please contact Global Chemie ASCC Limited.