

D-Cell

Hydroxypropyl Methyl Cellulose

Material Safety Data Sheet

Issue Date:08/11/2018

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier Trade name :

Hydroxypropyl Methyl Cellulose

SYNONYMS:HPMC

CAS NO:9004-65-3

Chemical characterization : Non-ionic cellulose ether.

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Identified/Recommended uses:

Manufacture of industrial substances

Industry

Pharma

Binder

Raw material for Building and construction preparations

1.3 Details of the supplier of the safety data sheet:

Dilmen Uluslararası Paz.San.ve Tic.LTD STI

Address: Ayanbey Mh.Dayioglu Sok.Meram Konya Turkey

Telephone : +90-506-761-0852

E-mail address : disel@mynet.com

SECTION 2: HAZARD IDENTIFICATION

GHS Classification:None

GHS Classification elements:None

Other hazards:Risk of dust explosion

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

It is made of a series of chemical processing and non-ionic cellulose ether.

SECTION 4: FIRST AID MEASURES

UNDER ORDINARY WORKPLACE CONDITIONS:NO SPECIAL MEASURES REQUIRED.

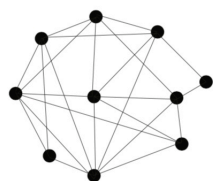
General advice:No hazards which require special first aid measures.Treat symptomatically.

If inhaled: Remove to fresh air.Keep patient warm and at rest. Rinse nose and mouth with water.

In case of skin contact :Remove contaminated clothing.Rinse with water.

In case of eye contact :Rinse with plenty of water. Remove contact lenses. Protect unharmed eye.Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

If swallowed: Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.



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SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media : Water mist Foam

Unsuitable extinguishing : Carbon dioxide (CO2) media High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during:firefighting / Specific hazards arising from the chemical:Risks of ignition followed by flame propagation or secondary explosions shall be prevented by avoiding accumulation of dust, e.g. on floors and ledges.

Combustion products:No hazardous combustion products are known

5.3 Advice for firefighters

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.

Further information: Standard procedure for chemical fires

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions :Avoid dust formation

6.2 Environmental precautions

Environmental precautions : Try to prevent the material from entering drains of water courses.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up / : Pick up and arrange disposal without creating dust. Methods for containment Sweep up and shovel.Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.Avoid creating dust.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Smoking, eating and drinking should be prohibited in the application area.

Advice on protection against : Provide appropriate exhaust ventilation at places where dust fire and explosion is formed.No sparking tools should be used.

Take measures to prevent the build up of electrostatic charge . Dust explosion class : St1

7.2 Conditions for safe storage, including any incompatibilities

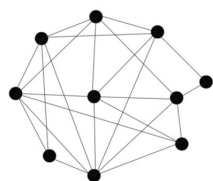
Requirements for storage areas and containers : Keep in a dry place.

Store at room temperature in the original container. Keep container tightly closed.

Advice on common storage : No special restrictions on storage with other products. Shelf Life Within 6 months Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : No information available



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters Components with workplace control parameters

Do not breathe dust. Do not eat, drink or smoke when handling.

8.2 Exposure controls

Engineering Controls: Provide appropriate exhaust ventilation at places where dust is formed.

Personal protective equipment

Respiratory protection: No personal respiratory protective equipment normally required. In the case of dust, vapour or aerosol formation use a respirator with an approved filter. Half mask with a particle filter P2 (EN 143).

Hand protection: For prolonged or repeated contact use protective gloves. Protective gloves complying with EN 374.

Eye protection Skin and body protection: Safety glasses with side-shields conforming to EN166 : Lab coat Remove and wash contaminated clothing before re-use.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. When using do not eat, drink or smoke.

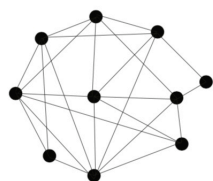
Environmental exposure controls

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| | |
|-----------------------|-----------------------------------------|
| Physical State / Form | Solid Powder |
| Appearance | White or off-white powder |
| Form | Powder |
| Odour | Odourless |
| Melting Point/Range | N/A |
| Boiling Point/range | N/A |
| Package | 25 KG net per bag |
| Water solubility | Dispersible |
| Solids content | >99% |
| Dust explosion class | St1 |
| Explosive properties | Dust may form explosive mixture in air. |
| Oxidizing properties | Not classified as oxidising. |



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SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:Stable under normal conditions.

10.2 Chemical stability Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions Dust may form explosive mixture in air.

10.4 Conditions to avoid Conditions to avoid : None known.

10.5 Incompatible materials **Materials to avoid** : None known.

SECTION 11: TOXICOLOGICAL INFORMATION

Product information:

Product dust may be irritating to the respiratory system.Product dust may be irritating to skin.Product dust may be irritating to eyes.Gastrointestinal discomfort.

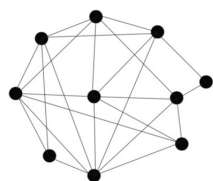
SECTION 12: ECOLOGICAL INFORMATION

Additional ecological Information:: None known

12.1 Toxicity **Toxicity to fish:** No data available

12.2 Persistence and degradability Biodegradability:Not readily biodegradable

12.3 Bioaccumulative potential Bioaccumulation: Bioaccumulation is unlikely



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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product: Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local regulation.

Contaminated packaging: Empty remaining contents. Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: TRANSPORT INFORMATION

This product is not subject to DOT, ICAO, IMDG or ADR regulations.

14.1 UN number Not regulated as a dangerous good

14.2 Proper shipping name Not regulated as a dangerous good

14.3 Transport hazard class Not regulated as a dangerous good

14.4 Packing group Not regulated as a dangerous good

14.5 Environmental hazards Not regulated as a dangerous good

14.6 Special precautions for user Remarks : Not classified as dangerous in the meaning of transport regulations.

SECTION 15: REGULATORY INFORMATION

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

Major Accident Hazard : ZEU_SEVES3 Legislation

Water contaminating class : WGK 1 slightly water endangering

EINECS YES. On the inventory, or in compliance with the inventory

AICS YES. On the inventory, or in compliance with the inventory

DSL YES. On the inventory, or in compliance with the inventory

IECSC YES. On the inventory, or in compliance with the inventory

ENCS YES. On the inventory, or in compliance with the inventory

KECI YES. On the inventory, or in compliance with the inventory

NZIoC YES. On the inventory, or in compliance with the inventory

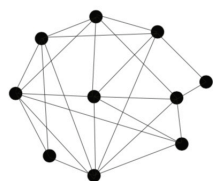
PICCS YES. On the inventory, or in compliance with the inventory

CH INV YES. The mixture contains a polymer. The monomers for this polymer have been notified.

TSCA YES. On the inventory, or in compliance with the inventory

Further information

This product is to be considered as a preparation according to EU-legislation.



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15.2 Chemical Safety Assessment

Product information: No information available.

SECTION 16: OTHER INFORMATION

Explanations for possible abbreviations mentioned in section 2 and 15

| | |
|---------------|------------------------------------------------------------------------|
| PBT | PBT: Persistent, bioaccumulative and toxic. |
| vPvB | vPvB: Very persistent and very bioaccumulative. |
| OEL | OEL: Occupational exposure limit. |
| EINECS | European Inventory of Existing Commercial Chemical Substances (EINECS) |
| AICS | Australia Inventory of Chemical Substances (AICS) |
| DSL | Canadian Domestic Substances List (DSL) |
| IECSC | China. Inventory of Existing Chemical Substances in China (IECSC) |
| ENCS | Japan. ENCS - Existing and New Chemical Substances Inventory |
| KECI | Korea. Korean Existing Chemicals Inventory (KECI) |
| NZIoC | New Zealand. Inventory of Chemical Substances |
| PICCS | Philippines Inventory of Chemicals and Chemical Substances (PICCS) |
| CH INV | Switzerland. New notified substances and declared preparations |
| TSCA | United States TSCA Inventory |

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.