

FybreI™ (Polyethylene)

SDS Number: 51117A1

Date of first issue: 03/19/2019

Version: 1.0

Revision Date: 03/19/2019

SECTION 1. IDENTIFICATION**Product identifier**

Product name : FybreI™ (Polyethylene)

SDS Number : 51117A1

Recommended use of the chemical and restrictions on use

Recommended use : Viscosity adjustors, Adhesives, Maintenance paint, Paint

Company/Undertaking Identification**Distributor**

Company : Mitsui Chemicals America, Inc.

Street address : 800 Westchester Avenue, Suite S306, Rye Brook, NY 10573,
USA

Telephone : +1-914-253-0777

Telefax : +1-914-253-0790

Manufacturer

Company : Mitsui Chemicals, Inc.

Street address : Shiodome City Center, 1-5-2, Higashi-Shimbashi, Minato-ku,
Tokyo, 105-7122, Japan

Responsible Department : Nonwovens Division

Telephone : +81-3-6253-3651

Telefax : +81-3-6253-4226

Emergency Phone Number

Not available.

SECTION 2. HAZARD(S) IDENTIFICATION**Classification of the chemical in accordance with paragraph (d) of §1910.1200**

Not applicable; This product is a manufactured "article" which do not result in exposure to hazardous chemicals under normal conditions of use.

Although none of hazard statements are applicable, this product should be handled with following precautions.

Precautionary statements : **Prevention:**
Obtain special instructions before use, and DO NOT handle until all safety precautions have been read and understood. Wash hands and face thoroughly after handling. Avoid release to the environment.

Response:
IF exposed or concerned, or if you feel unwell: Get medical advice/ attention.

Disposal:
Dispose of contents/container in accordance with local/regional/international regulations.
Do not reuse the container for any other purpose. Dispose of in accordance with applicable laws and regulations.

FybreI™ (Polyethylene)

SDS Number: 51117A1

Date of first issue: 03/19/2019

Version: 1.0

Revision Date: 03/19/2019

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

| Chemical name | CAS-No. | Concentration |
|-------------------|-----------|------------------|
| polyethylene | 9002-88-4 | 30 - 70% |
| polyvinyl alcohol | 9002-89-5 | <=3.0% (dry wt.) |
| water | 7732-18-5 | 30 - 70% |
| n-hexane (*) | 110-54-3 | <0.2% |

(*) adhering substance

Hazardous components : none**SECTION 4. FIRST AID MEASURES****Description of first aid measures**

- If inhaled : If you feel unwell, remove to fresh air immediately.
Get medical attention if cough or other symptoms develop.
- In case of skin contact : Immediately remove contaminated clothing and shoes.
Flush skin with large amounts of water, clean off with soap and water.
Get medical attention if symptoms develop.
- In case of eye contact : Immediately flush eyes with plenty of water for several minutes.
Part eyelids with fingers to assure complete flushing.
Check for and remove contact lenses if easily possible.
Get medical attention if irritation persists.
- If swallowed : Do NOT induce vomiting.
Never give anything by mouth to an unconscious person.
Rinse mouth with water.
Keep the affected person warm and at rest. Get medical attention immediately.

Most important symptoms and effects, both acute and delayed

No information available.

Indication of any immediate medical attention and special treatment needed

- Treatment : Treat symptomatically.
- Protection of first-aiders : Wear appropriate personal protective equipment such as protective gloves, protective clothing, eye protection, face protection, respirator, safety shoes, etc.

SECTION 5. FIREFIGHTING MEASURES**Suitable and unsuitable extinguishing media**

FybreI™ (Polyethylene)

SDS Number: 51117A1

Date of first issue: 03/19/2019

Version: 1.0

Revision Date: 03/19/2019

Suitable extinguishing media : Water jet, Water mist, Foam, Dry chemical, Carbon dioxide (CO₂)

Unsuitable extinguishing media : none

Specific hazards arising from the chemical

No information available.

Advice for firefighters

Special protective equipment for firefighters : Respiratory and eye protection required for fire-fighting personnel.
Full protective equipment and self-contained breathing apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires.

Further information : Remove all sources of ignition.
Keep unnecessary and unprotected personnel away.
Remove containers to safe place if possible.
Fight fire from an upwind position.
Keep surrounding areas cool by spraying water.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Wear appropriate personal protective equipment such as protective gloves, protective clothing, eye protection, face protection, respirator, protective boots, etc.
Keep unnecessary and unprotected personnel away.
Keep upwind, evacuate downwind.
Evacuate immediate area.

Environmental precautions : Do not flush into sewer, river, or any body of water.

Methods and materials for containment and cleaning up : Use only non-sparking tools.
Vacuum or sweep up material and place in a disposal container.
If the quantity is small, use an electric vacuum cleaner or broom to sweep and collect the product.
If in molten state, allow it to cool and solidify before proceeding with disposal methods.

SECTION 7. HANDLING AND STORAGE**Precautions for safe handling**

Technical measures : Refer to the "Engineering measures" in Section 8.
Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Wear appropriate personal protective equipment.
Provide hand and eye wash station near work area. Wash thoroughly after handling.
Take precautionary measures against static discharge.
Use only in well-ventilated area. Keep away from heat, sparks, and flame.

Advice on safe handling : Do not handle until all safety precautions have been read and understood.

FybreI™ (Polyethylene)

SDS Number: 51117A1

Date of first issue: 03/19/2019

Version: 1.0

Revision Date: 03/19/2019

Hygiene measures : Wash hands thoroughly after handling.
Do not eat, drink, or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Conditions for safe storage : The floor must be protected from water and impermeable.
The inventory location must be fire-resisting. Make the roof from nonflammable materials, and do not install the ceiling.
Install appropriate facilities for lighting/ventilating.
Store indoors.

Materials to avoid : Strong oxidizers, Strong acids and strong bases

Avoidance of contact : Keep containers tightly closed in a dry, cool and well-ventilated place.
Keep away from heat, flame, and all sources of ignition.
Store in a segregated and approved area.

Suitable container and packaging materials for safe storage : Polyolefin bags or containers

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

| Components | CAS-No. | Value type | Permissible concentration | Basis |
|------------|----------|------------|--|-------|
| n-hexane | 110-54-3 | TWA | 50 ppm [2018] | ACGIH |
| n-hexane | 110-54-3 | TWA | 500 ppm [2018] 1800 mg/m ³ | OSHA |

Engineering measures : Provide safety shower and eye wash station near work area.
Use closed system or local exhaust ventilation.

Personal protective equipment

Respiratory protection : Respirator with a particle filter, Respirator with filter for organic vapour

Hand protection : Protective gloves

Eye protection : Safety goggles, Eye shield, Face shield

Skin and body protection : Protective suit, Safety shoes, Safety helmet, Apron

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : solid
Form : wet sheets
Colour : white
Odour : odorless
Odour Threshold : no data available
pH : Not applicable
Melting point/range : 125 - 137 °C (Varies by product)

FybreI™ (Polyethylene)

SDS Number: 51117A1

Date of first issue: 03/19/2019

Version: 1.0

Revision Date: 03/19/2019

| | |
|--|---|
| Boiling point/boiling range | : No information available. |
| Flash point | : > 200 °C |
| Evaporation rate | : no data available |
| Flammability (solid, gas) | : Not expected to form explosive dust-air mixtures. |
| Upper explosion limit | : no data available |
| Lower explosion limit | : no data available |
| Vapour pressure | : no data available |
| Relative vapour density | : no data available |
| Relative density | : no data available |
| Density | : 0.93 - 0.97 g/cm ³ (Varies by product) |
| Water solubility | : insoluble |
| Solubility in other solvents | : no data available |
| Partition coefficient: n-octanol/water | : no data available |
| Auto-ignition temperature | : no data available |
| Thermal decomposition | : no data available |
| Viscosity, dynamic | : no data available |
| Viscosity, kinematic | : no data available |
| Sublimation point | : no data available |
| Surface tension | : no data available |
| Burning rate | : no data available |
| Bulk density | : no data available |
| Flow time | : no data available |

SECTION 10. STABILITY AND REACTIVITY

| | |
|------------------------------------|--|
| Reactivity | : no data available |
| Chemical stability | : Stable under normal conditions. This material does not ignite easily, but will burn when dry. |
| Possibility of hazardous reactions | : no data available |
| Conditions to avoid | : overheating |
| Incompatible materials | : Strong oxidizers, Strong acids and strong bases |
| Hazardous decomposition products | : Organic acids |

SECTION 11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Primary Routes of Entry : Inhalation, Skin contact, Eye contact, Ingestion

Potential Health Effects

Inhalation : Dust may cause respiratory tract irritation.
Skin contact : Contact with dust can cause mechanical irritation
Eye contact : Dust contact with the eyes can lead to mechanical irritation.

FybreI™ (Polyethylene)

SDS Number: 51117A1

Date of first issue: 03/19/2019

Version: 1.0

Revision Date: 03/19/2019

Ingestion : No significant health hazard identified.

Information on Carcinogenicity

IARC : No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA : No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP : No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Information on toxicological effects**Product:**

Acute oral toxicity : No data is available on the product itself.

Acute dermal toxicity : No data is available on the product itself.

Acute inhalation toxicity : No data is available on the product itself.

Skin corrosion/irritation : No data is available on the product itself.

Serious eye damage/eye irritation : No data is available on the product itself.

Sensitisation : No data is available on the product itself.

Germ cell mutagenicity : No data is available on the product itself.

Carcinogenicity : No data is available on the product itself.

Reproductive toxicity : No data is available on the product itself.

STOT - single exposure : No data is available on the product itself.

STOT - repeated exposure : No data is available on the product itself.

Aspiration toxicity : No data is available on the product itself.

SECTION 12. ECOLOGICAL INFORMATION**Toxicity****Product:**

no data available

Persistence and degradability**Product:**

no data available

Bioaccumulative potential**Product:**

Partition coefficient: n-octanol/water : no data available

Mobility in soil**Product:**

Surface tension : no data available

FybreI™ (Polyethylene)

SDS Number: 51117A1

Date of first issue: 03/19/2019

Version: 1.0

Revision Date: 03/19/2019

Other adverse effects**Product:**

Ozone-Depletion Potential : Regulation: CAA 602 I
This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

SECTION 13. DISPOSAL CONSIDERATIONS

Waste from residues : In accordance with local and national regulations.
Dispose of wastes in an approved waste disposal facility.
When outsourcing waste treatment, be sure to notify the treatment company regarding the hazards before outsourcing.

Contaminated packaging : Empty the container completely before disposal.
Do not reuse the container for any other purpose. Dispose of in accordance with applicable laws and regulations.

SECTION 14. TRANSPORT INFORMATION**DOT**

Not classified as dangerous in the meaning of transport regulations.

IATA

Not classified as dangerous in the meaning of transport regulations.

IMDG

Not classified as dangerous in the meaning of transport regulations.

SECTION 15. REGULATORY INFORMATION**TSCA**

All components of this product are listed on the TSCA Inventory.

EPCRA - Emergency Planning and Community Right-to-Know Act**CERCLA Reportable Quantity**

n-hexane CAS-No.: 110-54-3 RQ : 5000 lbs

SARA 311/312 Hazards

No SARA Hazards

SARA 302

This product does not contain any components with a SARA 302 RQ.

SARA 313

This product does not contain any components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65

WARNING: This product can expose you to chemicals including n-hexane, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

FybreI™ (Polyethylene)

SDS Number: 51117A1

Date of first issue: 03/19/2019

Version: 1.0

Revision Date: 03/19/2019

SECTION 16. OTHER INFORMATION

Date of preparation or last revision : 03/19/2019

List of references : In-house data
Information acquired by literature documentation

This SDS was prepared in compliance with USA OSHA Hazard Communication Standard (29 CFR 1910.1200).

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.