



# SAFETY DATA SHEET

## 1. Identification

**Product identifier** FORTIUM® MTD10 Liquid

**Other means of identification**

**Product code** 014930

**Recommended use** Refer to product specification sheet or label.

**Recommended restrictions** None known.

### Manufacturer/Importer/Supplier/Distributor information

#### Manufacturer

**Company name** Kemin Industries, Inc.  
**Address** 2100 Maury Street  
Des Moines, Iowa 50317  
United States  
**Telephone** (515) 559-5100  
**Website** <http://www.kemin.com/>  
**E-mail** [media@kemin.com](mailto:media@kemin.com)

Initial Supplier Identifier  
Données relatives au fournisseur  
**Univar Solutions Canada Ltd.**  
64 Arrow Road  
North York, ON M9M 2L9  
Telephone: 1-866-686-4827

**Emergency phone number** CHEMTREC 1-800-424-9300

**Supplier** Not available.

## 2. Hazard identification

**Physical hazards** Not classified.

**Health hazards** Not classified.

**Environmental hazards** Not classified.

#### Label elements

**Hazard symbol** None.

**Signal word** None.

**Hazard statement** The mixture does not meet the criteria for classification.

#### Precautionary statement

**Prevention** Observe good industrial hygiene practices.

**Response** Wash hands after handling.

**Storage** Store away from incompatible materials.

**Disposal** Dispose of waste and residues in accordance with local authority requirements.

**Other hazards** None known.

**Supplemental information** None.

## 3. Composition/information on ingredients

#### Mixtures

The components are not hazardous or are below required disclosure limits.

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## 4. First-aid measures

**Inhalation** Move to fresh air. Call a physician if symptoms develop or persist.

**Skin contact** Wash off with soap and water. Get medical attention if irritation develops and persists.

**Eye contact** Rinse with water. Get medical attention if irritation develops and persists.

**Ingestion** Rinse mouth. Get medical attention if symptoms occur.

**Most important symptoms/effects, acute and delayed** Direct contact with eyes may cause temporary irritation.

|                                                                               |                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Indication of immediate medical attention and special treatment needed</b> | Treat symptomatically.                                                                                                                                                                                                                                                                                                                                    |
| <b>General information</b>                                                    | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.                                                                                                                                                                                                                                          |
| <b>5. Fire-fighting measures</b>                                              |                                                                                                                                                                                                                                                                                                                                                           |
| <b>Suitable extinguishing media</b>                                           | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).                                                                                                                                                                                                                                                                                  |
| <b>Unsuitable extinguishing media</b>                                         | Do not use water jet as an extinguisher, as this will spread the fire.                                                                                                                                                                                                                                                                                    |
| <b>Specific hazards arising from the chemical</b>                             | During fire, gases hazardous to health may be formed.                                                                                                                                                                                                                                                                                                     |
| <b>Special protective equipment and precautions for firefighters</b>          | Self-contained breathing apparatus and full protective clothing must be worn in case of fire.                                                                                                                                                                                                                                                             |
| <b>Fire fighting equipment/instructions</b>                                   | Move containers from fire area if you can do so without risk.                                                                                                                                                                                                                                                                                             |
| <b>Specific methods</b>                                                       | Use standard firefighting procedures and consider the hazards of other involved materials.                                                                                                                                                                                                                                                                |
| <b>General fire hazards</b>                                                   | No unusual fire or explosion hazards noted.                                                                                                                                                                                                                                                                                                               |
| <b>6. Accidental release measures</b>                                         |                                                                                                                                                                                                                                                                                                                                                           |
| <b>Personal precautions, protective equipment and emergency procedures</b>    | Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.                                                                                                                                                                                                                                                                       |
| <b>Methods and materials for containment and cleaning up</b>                  | Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.                                                                                                               |
|                                                                               | Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.                                                                                                                                                                                                                            |
|                                                                               | Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.                                                                                                                                                                                                                                                     |
| <b>Environmental precautions</b>                                              | Avoid discharge into drains, water courses or onto the ground.                                                                                                                                                                                                                                                                                            |
| <b>7. Handling and storage</b>                                                |                                                                                                                                                                                                                                                                                                                                                           |
| <b>Precautions for safe handling</b>                                          | Observe good industrial hygiene practices.                                                                                                                                                                                                                                                                                                                |
| <b>Conditions for safe storage, including any incompatibilities</b>           | Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).                                                                                                                                                                                                                                                    |
| <b>8. Exposure controls/personal protection</b>                               |                                                                                                                                                                                                                                                                                                                                                           |
| <b>Occupational exposure limits</b>                                           | No exposure limits noted for ingredient(s).                                                                                                                                                                                                                                                                                                               |
| <b>Biological limit values</b>                                                | No biological exposure limits noted for the ingredient(s).                                                                                                                                                                                                                                                                                                |
| <b>Appropriate engineering controls</b>                                       | Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. |
| <b>Individual protection measures, such as personal protective equipment</b>  |                                                                                                                                                                                                                                                                                                                                                           |
| <b>Eye/face protection</b>                                                    | Wear safety glasses with side shields (or goggles).                                                                                                                                                                                                                                                                                                       |
| <b>Skin protection</b>                                                        |                                                                                                                                                                                                                                                                                                                                                           |
| <b>Hand protection</b>                                                        | Wear appropriate chemical resistant gloves.                                                                                                                                                                                                                                                                                                               |
| <b>Other</b>                                                                  | Wear suitable protective clothing.                                                                                                                                                                                                                                                                                                                        |
| <b>Respiratory protection</b>                                                 | In case of insufficient ventilation, wear suitable respiratory equipment.                                                                                                                                                                                                                                                                                 |
| <b>Thermal hazards</b>                                                        | Wear appropriate thermal protective clothing, when necessary.                                                                                                                                                                                                                                                                                             |
| <b>General hygiene considerations</b>                                         | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.                                                                                                                                     |
| <b>9. Physical and chemical properties</b>                                    |                                                                                                                                                                                                                                                                                                                                                           |
| <b>Appearance</b>                                                             | Liquid.                                                                                                                                                                                                                                                                                                                                                   |
| <b>Physical state</b>                                                         | Liquid.                                                                                                                                                                                                                                                                                                                                                   |

|                                                     |                                    |
|-----------------------------------------------------|------------------------------------|
| <b>Form</b>                                         | Liquid.                            |
| <b>Color</b>                                        | Amber.                             |
| <b>Odor</b>                                         | Herbal                             |
| <b>Odor threshold</b>                               | Not available.                     |
| <b>pH</b>                                           | Not available.                     |
| <b>Melting point/freezing point</b>                 | Not available.                     |
| <b>Initial boiling point and boiling range</b>      | Not available.                     |
| <b>Flash point</b>                                  | > 305 °F (> 152 °C) Tag Closed Cup |
| <b>Evaporation rate</b>                             | Not available.                     |
| <b>Flammability (solid, gas)</b>                    | Not applicable.                    |
| <b>Upper/lower flammability or explosive limits</b> |                                    |
| <b>Flammability limit - lower (%)</b>               | Not available.                     |
| <b>Flammability limit - upper (%)</b>               | Not available.                     |
| <b>Explosive limit - lower (%)</b>                  | Not available.                     |
| <b>Explosive limit - upper (%)</b>                  | Not available.                     |
| <b>Vapor pressure</b>                               | Not available.                     |
| <b>Vapor density</b>                                | Not available.                     |
| <b>Relative density</b>                             | Not available.                     |
| <b>Solubility(ies)</b>                              |                                    |
| <b>Solubility (water)</b>                           | Not available.                     |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.                     |
| <b>Auto-ignition temperature</b>                    | Not available.                     |
| <b>Decomposition temperature</b>                    | Not available.                     |
| <b>Viscosity</b>                                    | Not available.                     |
| <b>Other information</b>                            |                                    |
| <b>Explosive properties</b>                         | Not explosive.                     |
| <b>Oxidizing properties</b>                         | Not oxidizing.                     |
| <b>Specific gravity</b>                             | 0.915 - 0.930                      |

## 10. Stability and reactivity

|                                           |                                                                                                                         |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport.                           |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.                                                                             |
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.                                                             |
| <b>Conditions to avoid</b>                | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Contact with incompatible materials. |
| <b>Incompatible materials</b>             | Strong oxidizing agents.                                                                                                |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products are known.                                                                          |

## 11. Toxicological information

### Information on likely routes of exposure

|                                                                                     |                                                          |
|-------------------------------------------------------------------------------------|----------------------------------------------------------|
| <b>Inhalation</b>                                                                   | No adverse effects due to inhalation are expected.       |
| <b>Skin contact</b>                                                                 | No adverse effects due to skin contact are expected.     |
| <b>Eye contact</b>                                                                  | Direct contact with eyes may cause temporary irritation. |
| <b>Ingestion</b>                                                                    | Expected to be a low ingestion hazard.                   |
| <b>Symptoms related to the physical, chemical and toxicological characteristics</b> | Direct contact with eyes may cause temporary irritation. |

## Information on toxicological effects

|                                                           |                                                                                                                  |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Acute toxicity</b>                                     | Not available.                                                                                                   |
| <b>Skin corrosion/irritation</b>                          | Prolonged skin contact may cause temporary irritation.                                                           |
| <b>Serious eye damage/eye irritation</b>                  | Direct contact with eyes may cause temporary irritation.                                                         |
| <b>Respiratory or skin sensitization</b>                  |                                                                                                                  |
| <b>Respiratory sensitization</b>                          | Not a respiratory sensitizer.                                                                                    |
| <b>Skin sensitization</b>                                 | This product is not expected to cause skin sensitization.                                                        |
| <b>Germ cell mutagenicity</b>                             | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |
| <b>Carcinogenicity</b>                                    | Not available.                                                                                                   |
| <b>Reproductive toxicity</b>                              | This product is not expected to cause reproductive or developmental effects.                                     |
| <b>Specific target organ toxicity - single exposure</b>   | Not classified.                                                                                                  |
| <b>Specific target organ toxicity - repeated exposure</b> | Not classified.                                                                                                  |
| <b>Aspiration hazard</b>                                  | Not an aspiration hazard.                                                                                        |

## 12. Ecological information

|                                      |                                                                                                                                                                                                    |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ecotoxicity</b>                   | The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. |
| <b>Persistence and degradability</b> | No data is available on the degradability of any ingredients in the mixture.                                                                                                                       |
| <b>Bioaccumulative potential</b>     | No data available.                                                                                                                                                                                 |
| <b>Mobility in soil</b>              | No data available.                                                                                                                                                                                 |
| <b>Other adverse effects</b>         | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.            |

## 13. Disposal considerations

|                                              |                                                                                                                                                                                                                  |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Disposal instructions</b>                 | Collect and reclaim or dispose in sealed containers at licensed waste disposal site.                                                                                                                             |
| <b>Local disposal regulations</b>            | Dispose in accordance with all applicable regulations.                                                                                                                                                           |
| <b>Hazardous waste code</b>                  | The waste code should be assigned in discussion between the user, the producer and the waste disposal company.                                                                                                   |
| <b>Waste from residues / unused products</b> | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). |
| <b>Contaminated packaging</b>                | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.       |

## 14. Transport information

|                                                                                 |                                   |
|---------------------------------------------------------------------------------|-----------------------------------|
| <b>TDG</b>                                                                      | Not regulated as dangerous goods. |
| <b>IATA</b>                                                                     | Not regulated as dangerous goods. |
| <b>IMDG</b>                                                                     | Not regulated as dangerous goods. |
| <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | Not established.                  |

## 15. Regulatory information

|                                                    |                                                                                                                                                  |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Canadian regulations</b>                        | This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR. |
| <b>Controlled Drugs and Substances Act</b>         |                                                                                                                                                  |
| Not regulated.                                     |                                                                                                                                                  |
| <b>Export Control List (CEPA 1999, Schedule 3)</b> |                                                                                                                                                  |
| Not listed.                                        |                                                                                                                                                  |

**Greenhouse Gases**

Not listed.

**Precursor Control Regulations**

Not regulated.

**International regulations****Stockholm Convention**

Not applicable.

**Rotterdam Convention**

Not applicable.

**Kyoto protocol**

Not applicable.

**Montreal Protocol**

Not applicable.

**Basel Convention**

Not applicable.

**International Inventories**

| Country(s) or region        | Inventory name                                                         | On inventory (yes/no)* |
|-----------------------------|------------------------------------------------------------------------|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | No                     |
| Canada                      | Domestic Substances List (DSL)                                         | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | No                     |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | No                     |
| Korea                       | Existing Chemicals List (ECL)                                          | No                     |
| New Zealand                 | New Zealand Inventory                                                  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | No                     |
| Taiwan                      | Taiwan Chemical Substance Inventory (TCSI)                             | No                     |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                    |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information**

**Issue date** 05-19-2017

**Revision date** 04-29-2020

**Version #** 02

**Disclaimer** 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.

## Revision information

Composition/information on ingredients: Component information  
Accidental release measures: Personal precautions, protective equipment and emergency procedures  
Accidental release measures: Methods and materials for containment and cleaning up  
Handling and storage: Conditions for safe storage, including any incompatibilities  
Exposure controls/personal protection: Appropriate engineering controls  
Exposure controls/personal protection: Hand protection  
Physical & Chemical Properties: Multiple Properties  
Stability and reactivity: Conditions to avoid  
Toxicological information: Carcinogenicity  
Ecological information: Ecotoxicity  
Ecological information: Persistence / degradability  
Regulatory information: Canadian regulations  
Regulatory information: International regulations  
Other information: References