

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## CARGILL DRY MD 01918 NGM

|         |                |              |                                 |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number:  | Date of last issue: -           |
| 1.0     | 05/02/2025     | 000050000618 | Date of first issue: 05/02/2025 |

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### SECTION 1. IDENTIFICATION

Product name : CARGILL DRY MD 01918 NGM  
Other means of identification : No data available

#### Manufacturer or supplier's details

Company name of supplier : Cargill Limited  
Address : 300-240 Graham Avenue Winnipeg, MB R3C 4C5

Telephone : 204-947-6320  
Emergency telephone number : VelocityEHS 1-800-255-3924 (North America) +1-813-248-0585 (International) Contract number MIS7953677

#### Recommended use of the chemical and restrictions on use

Recommended use : Food additive

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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the Hazardous Products Regulations

Combustible dust : Category 1

#### GHS label elements

Signal word : Warning

Hazard statements : May form combustible dust concentrations in air.

#### Other hazards

None known.

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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance  
Substance name : Maltodextrin

CAS-No. : 9050-36-6

Common Name/Synonym : No data available

#### Components

No hazardous ingredients

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### SECTION 4. FIRST AID MEASURES

General advice : Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.  
If inhaled : Move to fresh air.  
Consult a physician after significant exposure.  
In case of skin contact : Wash contaminated clothing before reuse.

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|                                                             |   |                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| In case of eye contact                                      | : | Wash off with soap and plenty of water.<br>If skin irritation persists, call a physician.<br>Rinse with plenty of water.<br>Flush eyes with water as a precaution.<br>Remove contact lenses.<br>Protect unharmed eye.<br>Keep eye wide open while rinsing.<br>If eye irritation persists, consult a specialist. |
| If swallowed                                                | : | Rinse mouth with water.<br>Keep respiratory tract clear.<br>Never give anything by mouth to an unconscious person.<br>If symptoms persist, call a physician.                                                                                                                                                    |
| Most important symptoms and effects, both acute and delayed | : | None known.                                                                                                                                                                                                                                                                                                     |
| Notes to physician                                          | : | Treat symptomatically.                                                                                                                                                                                                                                                                                          |

### SECTION 5. FIREFIGHTING MEASURES

|                                               |   |                                                                                                                                                                                                     |
|-----------------------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media                  | : | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.                                                                                                                            |
| Unsuitable extinguishing media                | : | High volume water jet                                                                                                                                                                               |
| Specific hazards during fire-fighting         | : | Burning produces irritant fumes.<br>Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. |
| Hazardous combustion products                 | : | No hazardous combustion products are known                                                                                                                                                          |
| Further information                           | : | In the event of fire and/or explosion do not breathe fumes.<br>Prevent fire extinguishing water from contaminating surface water or the ground water system.                                        |
| Special protective equipment for firefighters | : | Wear self-contained breathing apparatus for firefighting if necessary.                                                                                                                              |

### SECTION 6. ACCIDENTAL RELEASE MEASURES

|                                                                     |   |                                                                                                                                                                                                         |
|---------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal precautions, protective equipment and emergency procedures | : | Use personal protective equipment.<br>Avoid dust formation.<br>Avoid breathing dust.<br>Remove all sources of ignition.<br>Ensure adequate ventilation.                                                 |
| Environmental precautions                                           | : | Should not be released into the environment.<br>Local authorities should be advised if significant spillages cannot be contained.<br>Try to prevent the material from entering drains or water courses. |

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Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Use dust explosion-proof type electric equipment and lighting. Electrically conductive containers must be grounded. Do not use compressed air for cleaning purposes. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are re-leased into the atmosphere in sufficient concentration. Keep in suitable, closed containers for disposal.

### SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Keep away from heat and sources of ignition. Finely dispersed particles form explosive mixtures with air. Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed. Use only explosion-proof equipment.

Advice on safe handling : Minimize dust generation and accumulation. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Wear personal protective equipment. Do not get in eyes or mouth or on skin. Keep away from fire, sparks and heated surfaces. Use only with adequate ventilation. Avoid formation of respirable particles. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage : Keep away from sources of ignition - No smoking. Store in original container. Keep container tightly closed in a dry and well-ventilated place. Electrical installations / working materials must comply with the technological safety standards.

Further information on storage stability : Keep in a dry place. No decomposition if stored and applied as directed.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures : Dust formation may be relevant in the processing of this product. In addition to substance-specific OELs, general limi-

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tations of concentrations of particulates in the air at work-places have to be considered in workplace risk assessment. Relevant limits include: OSHA PEL for Particulates Not Otherwise Regulated of 15 mg/m<sup>3</sup> - total dust, 5 mg/m<sup>3</sup> - respirable fraction; and ACGIH TWA for Particles (insoluble or poorly soluble) Not Otherwise Specified of 3 mg/m<sup>3</sup> - respirable particles, 10 mg/m<sup>3</sup> - inhalable particles. Maintain air concentrations below occupational exposure standards.

### Personal protective equipment

|                          |   |                                                                                                                                                                                                                                                                                |
|--------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Respiratory protection   | : | Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.                                                                                                |
| Filter type              | : | Particulates type                                                                                                                                                                                                                                                              |
| Hand protection          | : |                                                                                                                                                                                                                                                                                |
| Remarks                  | : | Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. For prolonged or repeated contact use protective gloves. The suitability for a specific workplace should be discussed with the producers of the protective gloves. |
| Eye protection           | : | Wear safety glasses with side shields or goggles.<br>Do not wear contact lenses.<br>Eye wash bottle with pure water<br>Tightly fitting safety goggles                                                                                                                          |
| Skin and body protection | : | Dust impervious protective suit<br>Choose body protection according to the amount and concentration of the dangerous substance at the work place.                                                                                                                              |
| Hygiene measures         | : | PREVENT GENERATION OF DUST.<br>When using do not eat or drink.<br>When using do not smoke.<br>Wash hands before breaks and at the end of workday.                                                                                                                              |

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|                             |   |                                                  |
|-----------------------------|---|--------------------------------------------------|
| Appearance                  | : | powder                                           |
| Colour                      | : | off-white                                        |
| Odour                       | : | odourless                                        |
| Odour Threshold             | : | No data available                                |
| pH                          | : | 4 - 7<br>(as aqueous solution)                   |
| Freezing point/ range       | : | No data available                                |
| Boiling point/boiling range | : | No data available                                |
| Flash point                 | : | No data available                                |
| Evaporation rate            | : | No data available                                |
| Flammability (solid, gas)   | : | May form combustible dust concentrations in air. |
| Flammability (liquids)      | : | No data available                                |
| Vapour pressure             | : | No data available                                |

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|                                        |                                   |
|----------------------------------------|-----------------------------------|
| Relative vapour density                | : No data available               |
| Relative density                       | : No data available               |
| Solubility(ies)                        |                                   |
| Water solubility                       | : soluble in cold water           |
| Solubility in other solvents           | : No data available               |
| Partition coefficient: n-octanol/water | : log Pow: -4.673<br>Method: QSAR |
| Auto-ignition temperature              | : No data available               |
| Decomposition temperature              | : No data available               |
| Viscosity, dynamic                     | : No data available               |
| Viscosity, kinematic                   | : No data available               |

### SECTION 10. STABILITY AND REACTIVITY

|                                    |                                                                                                  |
|------------------------------------|--------------------------------------------------------------------------------------------------|
| Reactivity                         | : No decomposition if stored and applied as directed.                                            |
| Chemical stability                 | : No decomposition if stored and applied as directed.                                            |
| Possibility of hazardous reactions | : No decomposition if stored and applied as directed.<br>Dust may form explosive mixture in air. |
| Conditions to avoid                | : No data available                                                                              |
| Incompatible materials             | : Strong oxidizing agents                                                                        |
| Hazardous decomposition products   | : No hazardous decomposition products are known.                                                 |

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

Inhalation  
Eye contact  
Skin contact  
Ingestion

#### Acute toxicity

Based on available data, the classification criteria are not met.

#### Product:

|                           |                                                                                                                                                  |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Acute oral toxicity       | : LD50 (Rat, male and female): > 10,000 mg/kg                                                                                                    |
| Acute inhalation toxicity | : LC50 (Rat): > 5.16 mg/l<br>Exposure time: 4 h<br>Test atmosphere: dust/mist                                                                    |
| Acute dermal toxicity     | : LD50 (Rat): > 2,000 mg/kg<br>Assessment: The substance or mixture has no acute dermal toxicity<br>Remarks: No mortality observed at this dose. |

#### Skin corrosion/irritation

Based on available data, the classification criteria are not met.

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### **Product:**

|         |   |                    |
|---------|---|--------------------|
| Result  | : | No skin irritation |
| Remarks | : | No skin irritation |

### **Serious eye damage/eye irritation**

Based on available data, the classification criteria are not met.

### **Product:**

|         |   |                                                               |
|---------|---|---------------------------------------------------------------|
| Result  | : | No eye irritation                                             |
| Remarks | : | Dust contact with the eyes can lead to mechanical irritation. |

### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

Based on available data, the classification criteria are not met.

#### **Respiratory sensitisation**

Not classified due to lack of data.

### **Product:**

|         |   |                                                    |
|---------|---|----------------------------------------------------|
| Result  | : | Not a skin sensitizer.                             |
| Remarks | : | Did not cause sensitisation on laboratory animals. |

### **Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

### **Product:**

|                                     |   |                                                                                             |
|-------------------------------------|---|---------------------------------------------------------------------------------------------|
| Genotoxicity in vitro               | : | Remarks: In vitro tests did not show mutagenic effects                                      |
| Genotoxicity in vivo                | : | Remarks: In vivo tests did not show mutagenic effects                                       |
| Germ cell mutagenicity - Assessment | : | In vitro tests did not show mutagenic effects, In vivo tests did not show mutagenic effects |

### **Carcinogenicity**

Not classified due to lack of data.

### **Reproductive toxicity**

Not classified due to lack of data.

### **STOT - single exposure**

Not classified due to lack of data.

### **STOT - repeated exposure**

Not classified due to lack of data.

### **Repeated dose toxicity**

### **Product:**

|         |   |                                                                |
|---------|---|----------------------------------------------------------------|
| Remarks | : | No adverse effect has been observed in chronic toxicity tests. |
|---------|---|----------------------------------------------------------------|

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### Aspiration toxicity

Based on available data, the classification criteria are not met.

#### Product:

No aspiration toxicity classification

### Further information

#### Product:

Remarks : No data available

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product:

|                                                     |   |                                                                                      |
|-----------------------------------------------------|---|--------------------------------------------------------------------------------------|
| Toxicity to fish                                    | : | EC50 (Fish): > 100 mg/l<br>Exposure time: 96 h<br>Method: QSAR                       |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): > 100 mg/l<br>Exposure time: 48 h<br>Method: QSAR |
| Toxicity to algae/aquatic plants                    | : | EC50 (algae): > 100 mg/l<br>Exposure time: 72 h<br>Method: QSAR                      |

### Persistence and degradability

#### Product:

|                  |   |                                                                                    |
|------------------|---|------------------------------------------------------------------------------------|
| Biodegradability | : | Result: Readily biodegradable.<br>Biodegradation: 73 - 81 %<br>Exposure time: 28 d |
|------------------|---|------------------------------------------------------------------------------------|

### Bioaccumulative potential

#### Product:

|                 |   |                                     |
|-----------------|---|-------------------------------------|
| Bioaccumulation | : | Bioconcentration factor (BCF): 3.16 |
|-----------------|---|-------------------------------------|

### Mobility in soil

No data available

### Other adverse effects

#### Product:

|                                   |   |                   |
|-----------------------------------|---|-------------------|
| Additional ecological information | : | No data available |
|-----------------------------------|---|-------------------|

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### SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

|                        |   |                                                                                                                                                                                                                            |
|------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Waste from residues    | : | Dispose of in accordance with local regulations.<br>Do not dispose of waste into sewer.<br>Do not contaminate ponds, waterways or ditches with chemical or used container.<br>Send to a licensed waste management company. |
| Contaminated packaging | : | Empty remaining contents.<br>Dispose of as unused product.<br>Do not re-use empty containers.                                                                                                                              |

### SECTION 14. TRANSPORT INFORMATION

#### International Regulations

##### UNRTDG

Not regulated as a dangerous good

##### IATA-DGR

Not regulated as a dangerous good

##### IMDG-Code

Not regulated as a dangerous good

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

#### National Regulations

##### TDG

Not regulated as a dangerous good

#### Special precautions for user

|         |   |                                                                      |
|---------|---|----------------------------------------------------------------------|
| Remarks | : | Not classified as dangerous in the meaning of transport regulations. |
|---------|---|----------------------------------------------------------------------|

### SECTION 15. REGULATORY INFORMATION

#### The components of this product are reported in the following inventories:

|      |   |                                                        |
|------|---|--------------------------------------------------------|
| TCSI | : | On the inventory, or in compliance with the inventory  |
| TSCA | : | All substances listed as active on the TSCA inventory  |
| AIIC | : | On the inventory, or in compliance with the inventory  |
| DSL  | : | All components of this product are on the Canadian DSL |
| ENCS | : | Not in compliance with the inventory                   |
| ISHL | : | Not in compliance with the inventory                   |
| KECI | : | On the inventory, or in compliance with the inventory  |

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|       |   |                                                       |
|-------|---|-------------------------------------------------------|
| PICCS | : | On the inventory, or in compliance with the inventory |
| IECSC | : | On the inventory, or in compliance with the inventory |
| NZIoC | : | On the inventory, or in compliance with the inventory |
| TECI  | : | On the inventory, or in compliance with the inventory |

### Canadian lists

No substances are subject to a Significant New Activity Notification.

## SECTION 16. OTHER INFORMATION

### Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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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.

CA / EN