



## FINISHED PRODUCT SAFETY DATA SHEET (SDS)

| 1. Product Description |  |
|------------------------|--|
| Product Name           | Spread Solids  |
| Product Number         | All solid spread items   |
| Brand                  | All  |
| Supplier               | Ventura Foods<br>40 Pointe Drive<br>Brea, CA 92821<br>800-421-6257 |
| Emergency Phone Number | Chemtrec<br>(800) 424-9300   |
| Use of substance       | Food ingredient  |
| Date                   | April 15, 2020   |

| 2. HAZARD IDENTIFICATION |  |
|--------------------------|--|
| Description              | Appearance: Yellow opaque<br>Physical State: Solid at room temperature<br>Odor: Buttery flavored   |
| Handling                 | If smoking occurs from oil usage, reduce or remove from heat.<br>Spontaneous combustion (fire) may result from oil soaked materials such as rags, steel wool, paper and clothing. Place soaked materials in a sealed, metal container to prevent this. If smoking occurs from oil usage, reduce or remove from heat.<br>This product is NOT classified as hazardous according to CFR 1910, amended to conform to the United Nations' Globally Harmonized System of Classification and Labeling of Chemicals (OSHA / GHS); SOR/88-66, the Canadian Controlled Products Regulations (CPR); and/or NOM-002-SCT-2003 (Mexico). However, vegetable oil (in mist form) is known to be listed as an OSHA 29 CFR 1910.1000 Air Contaminant. Occupational exposure limits are subsequently provided in section 8 of this SDS. |
| OSHA Hazards             | No known OSHA hazards.<br>Not a dangerous substance according to GHS.  |
| HMIS Classification      | Health: 0<br>Flammability: 1<br>Physical Hazard : 0  |
| NFPA Rating              | Health: 0<br>Fire: 1<br>Reactivity: 0  |
| Potential Health Effects | Inhalation: Food, no known issues. Skin: Food, wipe or rinse, no known issues. Eyes: Food, no known issues. Ingestion: Food ingredient. Not a hazardous substance unless food allergens.<br>"WARNING: May cause damage to organs (respiratory system) through inhalation exposures."   |

| 3. COMPOSITION/INFORMATION ON INGREDIENTS |  |
|---|--|
| Synonyms                                  | May contain oils, partially hydrogenated oils, water, salt, lecithin, mono & diglycerides, artificial butter flavor (no diacetyl), beta carotene, vitamin A palmitate and other FDA GRAS food ingredients.<br>CAS#8001-22-87 Soybean oil |
| GRAS status                               | All ingredients are FDA GRAS.  |

| 4. FIRST AID MEASURES |   |
|-----------------------|---|
| Inhalation            | No known issues.  |
| Skin contact          | Wash off with soap and plenty of water.   |
| Eye contact           | Flush eyes with water of special eyewash solution.                                |
| If swallowed          | Ingestion of edible vegetable oil is nontoxic and should pass through the system. |

| 5. FIREFIGHTING MEASURES                       |  |
|--|--|
| Conditions of flammability                     | Materials may pose fire hazard.  |
| Suitable extinguishing media                   | Alcohol resistant foam, dry chemical or carbon dioxide. Use extinguishing measures that are appropriate to local circumstances and the surrounding area.   |
| Special protective equipment for firefighters  | Wear self-contained breathing apparatus for firefighting if necessary.   |
| Specific hazards arising from the Chemical Oil | Risk of ignition. Rags and other materials containing this product may heat up and spontaneously ignite if exposed to air. Store wiping rags and similar materials in metal cans with tightly fitting lids. Cool closed containers exposed to fire with water spray. Avoid hot oil; if smoking occurs during application reduce or remove from heat. |
| Hazardous combustion products                  | Hazardous decomposition products formed under fire conditions. Nature of decomposition products not known.   |
| NFPA Health                                    | 0  |
| NFPA Stability and Reactivity                  | 0  |
| NFPA Flammability                              | 1  |
| NFPA Physical Hazard                           | 0  |

| 6. ACCIDENTAL RELEASE MEASURES                        |  |
|---|--|
| Personal Protection                                   | No known issues.   |
| Environmental Precautions                             | Prevent further leakage or spillage. Do not allow product to reach soil, sewage or any water sources. Dispose per local, state, and federal regulations.               |
| Methods and materials for containment and cleaning up | Keep in suitable, closed containers for disposal. Dispose of rags used in clean up. Remember oil soaked rags or partially cleaned materials may spontaneously combust. |

| 7. HANDLING AND STORAGE     |   |
|-----------------------------|---|
| Conditions for safe storage | Ensure adequate dry, well ventilated storage area between 35-80F. Clean up any spillage to avoid accidents immediately. |
| Combustible conditions      | Keep away from open flames, hot surfaces and sources of ignition.   |

| 8. EXPOSURE CONTROLS/PERSONAL PROTECTION |  |
|--|--|
| Occupational exposure limit values       | Contains butter flavoring, which may contain diacetyl, 2,3 - pentanedione, 2,3 - hexanedione, 2,3 -heptanedione, and other diketones and flavoring chemicals.  |
| PPE:                                     |  |
| Respiratory protection                   | Respiratory protection should be worn when workplace exposures exceed exposure limit requirements or guidelines. If there are no applicable exposure limits or guidelines, use a NIOSH approved respirator where there is a potential for adverse effects where indicated or required by the exposure assessment. Selection of particular respirators will depend on the results of the exposure assessment which includes an evaluation of the specific operations and the actual or potential airborne concentrations. |
| Hand protection                          | Not necessary.   |
| Eye protection                           | Not necessary.   |
| Skin and Body protection                 | Not necessary.   |
| Hygiene measures                         | Good industrial hygiene practices.   |
| Engineering measures                     | Ventilation: Use engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposures limit requirements or guidelines, use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.  |

| 9. PHYSICAL AND CHEMICAL PROPERTIES |  |
|-------------------------------------|--|
| Form                                | Colored solid at room and cold temperature |
| Color                               | Yellow                                     |
| pH                                  | No data available                          |
| Specific gravity                    | NA   |
| Melt point/freezing point           | 95 – 102F                                  |
| Smoke point                         | >450F                                      |
| Flash point                         | >540F                                      |
| Ignition temperature                | >625F                                      |
| Auto-ignition                       | Not auto flammable                         |
| Lower explosion limit               | No data available                          |
| Upper explosion limit               | No data available                          |
| Vapor pressure                      | No data available                          |
| Boiling point                       | No data available                          |
| Water solubility                    | Insoluble                                  |
| Partition coefficient               | No data available                          |
| Relative vapor                      | No data available                          |
| Density                             | No data available.                         |
| Odor/Flavor                         | Buttery, salty.                            |
| Odor threshold                      | No data available                          |
| Evaporation rate                    | No data available.                         |

| 10. STABILITY AND REACTIVITY      |  |
|-----------------------------------|--|
| Chemical stability                | Stable under recommended storage conditions (35-45).   |
| Possibility of hazardous reaction | None known.  |
| Conditions to avoid               | None known.  |
| Materials to avoid                | Strong oxidizing agents  |
| Hazardous decomposition products  | Formed under fire conditions – nature of decomposition not known.<br>Other decomposition products – no data available<br>Rags used for clean-up (clean or contaminated) can combust if conditions are adequate, even if laundered. Keep in safe place or dispose of rags after usage in an enclosed metal container. |

| 11. TOXICOLOGICAL INFORMATION     |   |
|-----------------------------------|---|
| Acute toxicity                    | Oral: LD50 no data available.<br>Inhalation: LC50 no data available.<br>Dermal: LD50 no data available.   |
| Skin corrosion                    | No data available.  |
| Serious eye damage                | No data available.  |
| Respiratory or skin sensitization | No data available.  |
| Carcinogenicity IARC              | No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed carcinogenic by IARC.  |
| Carcinogenicity ACGHI             | No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed carcinogenic by ACGIH. |
| Carcinogenicity NTP               | No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed carcinogenic by NTP.   |
| Carcinogenicity OSHA              | No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed carcinogenic by OSHA.  |
| Reproductive toxicity             | No data available.  |
| Teratogenicity                    | No data available.  |
| Specific target organ toxicity    | No data available.  |
| Aspiration hazard                 | No data available.  |
| Potential health effects          | Inhalation: No known issues.<br>Ingestion: No known issues, unless food allergens.<br>Skin: No known issues.<br>Eyes: No known issues.                |
| Signs and symptoms of exposure    | No data available.  |
| Synergistic effects               | No data available.  |
| Additional information            | No data available.  |

| 12. Ecological Information    |  |
|-------------------------------|--|
| Toxicity                      | Contains no substances known to be hazardous to the environment.<br>Contains no substances known to be not degradable in waste treatment facilities. |
| Persistence and degradability | Readily biodegradable.   |
| Bio accumulative potential    | Not applicable.  |
| Mobility                      | Oil is insoluble in water and will float in water.   |
| PBT and vPVB assessment       | No data available.   |
| Other adverse effects         | No data available.   |

| 13. DISPOSAL CONSIDERATIONS |   |
|-----------------------------|---|
| Recycle                     | Whenever possible, as rules and regulations allow, please recycle or manage materials to minimize waste.  |
| Waste disposal methods      | Oil soaked materials may spontaneously combust and should be properly managed to avoid ignition and heat sources or oxygen rich environments. Collect and store soaked materials in closed, metal containers. |
| Contaminated packaging      | Containers should be decontaminated and taken for local recycling, recovery or waste disposal facility. Follow local, state and federal guidelines.   |

| 14. TRANSPORT INFORMATION            |                                     |
|--------------------------------------|-------------------------------------|
| DOT (US), Canada (TDG), Mexico (MEX) | Not regulated; Not dangerous goods. |
| IMDG                                 | Not regulated; Not dangerous goods. |
| ICAO                                 | Not regulated; Not dangerous goods. |
| IATA                                 | Not regulated; Not dangerous goods. |

## 15. REGULATORY INFORMATION

International Inventories: The components of the product are reported in the following inventories:

| Chemical Name | TSCA | DSL | NDSL | EINECS | ELINCS | AICS | ENCS ISHL | CHINA | PICCS | KECL | NZLoC |
|---------------|------|-----|------|--------|--------|------|-----------|-------|-------|------|-------|
| Spreads       |      |     |      |        |        |      |           |       |       |      |       |

Legend:

|        |   |
|--------|---|
| TSCA   | Toxic Substances Control Act Section 8(b) Inventory           |
| DSL    | Domestic Substance List (Canada)                              |
| NDSL   | Non Domestic Substance List (Canada)                          |
| EINECS | European Inventory of existing commercial chemical substances |
| ELINCS | European List of Notified Chemical Substances                 |
| AICS   | Australian Inventory of Chemical Substances                   |
| ENCS   | Existing and new Chemical Substances (Japan)                  |
| ISHL   | Industrial Health and Safety Law (Japan)                      |
| CHINA  | Chinese Inventory of Existing Chemical Substances (China)     |
| PICCS  | Inventory of Chemicals and Chemical Substances ((Philippines) |
| KECL   | Korean Existing and Evaluated Chemical Substances (Korea)     |
| NZLoC  | New Zealand Inventory of Chemicals (New Zealand)              |

|     |  |
|-----|--|
| USA | <p><b>OSHA Hazards</b><br/>No known OSHA hazards</p> <p><b>SARA 302 Components</b><br/>SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.</p> <p><b>SARA 313 Components</b><br/>SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.</p> <p><b>SARA 311/312 Hazards</b><br/>No SARA Hazards</p> <p><b>Massachusetts Right To Know Components</b><br/>No components are subject to the Massachusetts Right to Know Act.</p> <p><b>Pennsylvania &amp; New Jersey Right To Know Components</b><br/>Soybean oil extractives and their physically modified derivatives. Consists primarily of glycerides of the fatty acids linoleic,<br/>CAS-No. 8001-22-7</p> |
|-----|--|

|        |  |
|--------|--|
|        | <p>Revision Date 1989-08-11</p> <p><b>Clean Air Act, Section 112 Hazardous Air pollutants (HAPs) (see 40 CFR 61) Product is not known to contain HAPS.</b></p> <p><b>California Prop. 65 Components</b></p> <p>This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other Reproductive harm.</p>  |
| Canada | <p>Domestic transport regulations (Canada)</p> <p>WHMIS Product Classification</p> <p>Not a WHMIS controlled product.</p> <p>15. REGULATORY INFORMATION</p> <p>WHMIS Ingredient Disclosure List IDL</p> <p>No known component is listed on the WHMIS ingredients disclosure list.</p> <p>(NPRI) Canadian National Pollutant Release Inventory</p> <p>No known component is listed on NPRI.</p> <p>This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.</p> |
| Mexico | Mexico - Grade Slight risk, Grade 1  |

#### 16. OTHER INFORMATION

**WARNING:** This product contains butter flavoring, which may contain diacetyl, 2,3 - pentanedione, 2,3 - hexanedione, 2,3 -heptanedione, and other diketones and flavoring chemicals. NIOSH has stated in its HHE Report dated November 2009, that "The toxicology of diacetyl substitutes is only now being studied. Until more is known about 2,3-Pentanedione and other alpha-diketone compounds, they should not be assumed to be safe. Management should continue to limit exposures to flavorings through a combination of engineering controls, work practices, and respiratory protection. Workers should report symptoms to their personal physician and to a designated individual at the workplace." (NIOSH Health Hazard Evaluation Report- HETA 2008-0230-3096). With respect to signs and symptoms of flavoring-related fixed airways obstruction, OSHA has stated: "The initial signs and symptoms of flavoring-related fixed airways obstruction, including bronchiolitis obliterans, may be subtle. The signs and symptoms seen in affected workers include cough, fatigue, and shortness of breath with exertion. Signs and symptoms generally do not improve on weekends or vacations. Signs and symptoms may have a gradual onset, but in some cases severe signs and symptoms *have occurred suddenly with rapid progression of lung disease.*" <sup>11</sup> *Determining* appropriate respiratory protection will depend on the specific conditions under which the flavorings are used. For further guidance, see the OSHA Respiratory Protection Standard, 29 CFR 1910.134, and the OSHA publication Occupational Exposure to Flavoring Substances: Health Effects and Hazard Control (SHIB 10-14- 10).

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 either expressed or implied. The information is related 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.

The information in this SDS was obtained from current and reliable sources. However, the data is provided without any warranty, express or implied, regarding its correctness or accuracy. Since the conditions of use handling, storage and disposal of this product is beyond our control; it is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage, or exposure due to improper use of this product.

## Key for Abbreviations

|           |   |
|-----------|---|
| ACGIH TLV | American Conference of Governmental Industrial Hygienists Threshold Limit Values                      |
| AICS      | Australian Inventory of Chemical Substances (Australia)   |
| CAS       | Chemical Abstract Service   |
| CHINA     | Chinese Inventory of Existing Chemical Substances (China)   |
| DOT       | U.S. Department of Transportation   |
| DSL       | Domestic Substance List (Canada)  |
| EINECS    | European Inventory of Existing Commercial Chemical Substances (EU)                                    |
| ELINCS    | European List of Notified Chemical Substances (EU)  |
| ENCS      | Existing and New Chemical Substances (Japan) / ISHL   |
| GHS       | Globally Harmonized System of Classification and Labeling of Chemicals                                |
| IATA      | International Air Transport Association Dangerous Goods Regulations                                   |
| ICL       | In Commerce List (Canada)   |
| IMDG      | International Maritime Dangerous Goods Code   |
| IMO       | International Maritime Organization   |
| KECL      | Korean Existing and Evaluated Chemical Substances (Korea)   |
| LC50      | Lethal concentration that produces fatalities in 50% of a given test population                       |
| LD50      | Median lethal dose of a given test population   |
| MEX       | NOM   |
| MEXICO    | México Occupational Exposure Limits   |
| NDSL      | Non Domestic Substances List (Canada)   |
| NFPA      | National Fire Protection Association  |
| NIOSH     | National Institute of Occupational Safety and Health  |
| NZIoC     | New Zealand Inventory of Chemicals (New Zealand)  |
| OSHA      | Occupational Safety & Health Administration   |
| OSHA PEL  | Occupational Safety and Health Administration Permissible Exposure Limits                             |
| PICCS     | Inventory of Chemicals and Chemical Substances (Philippines)  |
| STOT      | Specific Target Organ Toxicity  |
| TDG       | Transportation of Dangerous Goods (Transport Canada)  |
| TSCA      | Toxic Substances Control Act, Section 8(b) Inventory (USA)  |
| TWA       | Time Weighted Average: Average concentration that should not be exceeded during a work day (usually 8 |