

## Offer Sheet

Product	Sunflower lecithin
Quantity	IBC totes
Net weight	200,000 lbs. total delivered in 5 loads 40,000 lbs. per load
Manufacture date	
Availability	Ongoing (monthly)
Location	Springfield, IL 62701
Date	12/1/25
COA & SDS	Attached below



### Food & Beverage

Widely used as a clean-label emulsifier alternative to soy lecithin.

Examples:

- Chocolate & confectionery (prevents blooming, improves flow)
- Baked goods (dough conditioning, improved crumb structure)
- Plant-based meats and dairy analogs
- Creamers and powdered beverages (instantizing agent)
- Dressings and sauces (emulsion stability)

### Nutraceuticals & Supplements

Sunflower lecithin is especially popular in:

- **Softgel and capsule formulations** (carrier + solubilizer)
- **Liposome production** (for vitamin C, glutathione, CBD, NMN delivery)
- **Brain health supplements** (phosphatidylcholine source)
- **Powders and blends** needing improved flow/wettability

### Pharmaceuticals

Used as an excipient for:

- **Injectables**
- **Controlled-release delivery systems**
- **Topical creams and gels**

Benefits: biocompatible, hypoallergenic, and stable.

### Cosmetics & Personal Care

Functions as an **emulsifier, skin conditioner, and penetration enhancer.**

Applications:

- Lotions and body creams
- Hair conditioners and serums
- Makeup formulations (foundation, mascara)

It adds richness, smooth texture, and stability.

### Industrial & Technical Use

Though less common than soy or synthetic surfactants, sunflower lecithin can be used in:

- Release agents in food processing
- Biodegradable lubricants and dispersants
- Agrochemical formulations
- Paint and ink wetting/dispersing systems

Often selected when a **natural or food-grade surfactant** is required.

If interested, please call or text:

**Brian Svrusis**

Solvent Systems International

575 Bennett Rd.

Elk Grove Village, IL 60007

847-323-6718 call or text

Click here for: [Surplus Inventory](#)

[Solvent-Systems.com](#)

# Sunflower Lecithin

Provides emulsification, stabilizing, and instantizing aid for use in animal food and industrial applications.

**Characteristics**

Appearance ..... Fluid, viscous  
Color ..... Dark yellow to brown  
Odor & Flavor ..... Typical of product

**Typical Analysis**

Moisture ..... ≤1.5%  
Phospholipid Content ..... ≥60.0%  
Acetone Insoluble ..... ≥55.0%  
Acid Value ..... ≤35 mg KOH/g  
Peroxide Value ..... ≤7 mEq O2/kg

*All values are on an as fed basis.*  
*Typical analysis and profile are intended as estimates only, not guarantees.*  
Sunflower Lecithin in IBC totes or drums dependent on availability

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## LIPOTIN™ DB

Version	Revision Date:	SDS Number:	Date of last issue: 05/02/2025
1.1	05/02/2025	000050005768	Date of first issue: 05/02/2025

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### SECTION 1. IDENTIFICATION

Product name : LIPOTIN™ DB

#### Manufacturer or supplier's details

Company name of supplier : Cargill Incorporated  
Address : 15407 McGinty Rd W Wayzata, MN 55391

Telephone : 1-800-227-4455  
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 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a hazardous substance or mixture.

#### GHS label elements

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

#### Other hazards

None known.

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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance  
Substance name : Lecithin

CAS-No. : 8002-43-5

#### 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.
If inhaled	: If inhaled, remove to fresh air. If symptoms persist, call a physician.
In case of skin contact	: Wash off with soap and plenty of water.
In case of eye contact	: If easy to do, remove contact lens, if worn. Protect unharmed eye. Rinse with plenty of water.
If swallowed	: Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and	: None known.

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delayed  
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 : Do NOT use water jet.

Specific hazards during fire-fighting : Burning produces irritant fumes.

Hazardous combustion products : No hazardous combustion products are known

Further information : In the event of fire and/or explosion do not breathe fumes. 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. Ensure adequate ventilation.

Environmental precautions : Should not be released into the environment. Try to prevent the material from entering drains or water courses.

Methods and materials for containment and cleaning up : Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.

### SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Advice on safe handling : Wear personal protective equipment. Use only with adequate ventilation.

Conditions for safe storage : Store in original container. Electrical installations / working materials must comply with the technological safety standards.

Materials to avoid : No materials to be especially mentioned.

Further information on storage stability : No decomposition if stored and applied as directed.

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### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

**Engineering measures** : Maintain air concentrations below occupational exposure standards.

#### Personal protective equipment

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection

Remarks : 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 : Safety glasses

Skin and body protection : Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces.  
Impervious clothing

Hygiene measures : General industrial hygiene practice.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : yellow, amber

Odour : characteristic

Odour Threshold : No data available

pH : No data available

Melting point/freezing point : -13 °F / -25 °C

Boiling point/boiling range : No data available

Flash point : 356 °F / 180 °C

Evaporation rate : No data available

Flammability (liquids) : No data available

Vapour pressure : < 1 hPa

Relative vapour density : No data available

Relative density : 0.86

Density : 1.02 - 1.05 g/cm<sup>3</sup> (68 °F / 20 °C)

Solubility(ies)

Water solubility : insoluble

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : log Pow: 13.41

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Auto-ignition temperature	:	212 °F / 100 °C
Decomposition temperature	:	No data available
Viscosity	:	
Viscosity, dynamic	:	70 mPa.s
Viscosity, kinematic	:	No data available

### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	Stable under recommended storage conditions.
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): > 5,000 mg/kg Method: OECD Test Guideline 401 Symptoms: Gastrointestinal discomfort Remarks: Based on data from similar materials
Acute inhalation toxicity	:	LC50 (Rat, male and female): > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Assessment: The substance or mixture has no acute inhalation toxicity Remarks: No adverse effect has been observed in acute toxicity tests.
Acute dermal toxicity	:	LD50 (Rabbit): > 5,000 mg/kg

#### Skin corrosion/irritation

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

#### Product:

Assessment	:	No skin irritation
Remarks	:	slight irritation

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### Serious eye damage/eye irritation

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

#### Product:

Assessment	:	No eye irritation
Remarks	:	slight 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:

Exposure routes	:	Skin contact
Assessment	:	Does not cause skin sensitisation.
Remarks	:	May cause sensitisation of susceptible persons by skin contact.

Exposure routes	:	Inhalation
Remarks	:	No data available

### 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	:	Animal testing did not show any mutagenic effects.

### Carcinogenicity

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

#### Product:

Remarks	:	Animal testing did not show any carcinogenic effects.
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Carcinogenicity - Assessment	:	Animal testing did not show any carcinogenic effects.
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**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.

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### Reproductive toxicity

Not classified due to lack of data.

#### Product:

Reproductive toxicity - Assessment : Animal testing did not show any effects on foetal development., No effects on or via lactation

### STOT - single exposure

Not classified due to lack of data.

### STOT - repeated exposure

Not classified due to lack of data.

### Aspiration toxicity

Not classified due to lack of data.

#### Product:

No aspiration toxicity classification

### Further information

#### Product:

Remarks : No data available

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product:

Toxicity to fish	: LC50 (Danio rerio (zebra fish)): > 100 mg/l End point: mortality Exposure time: 96 h Test Type: static test Test substance: Based on data from similar materials Method: OECD Test Guideline 203 Remarks: No toxicity at the limit of solubility
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): > 1,000 mg/l End point: Immobilization Exposure time: 48 h Test Type: static test Test substance: Based on data from similar materials Method: OECD Test Guideline 202 Remarks: No toxicity at the limit of solubility
Toxicity to algae/aquatic plants	: EL50 (Pseudokirchneriella subcapitata (green algae)): > 1,050 mg/l End point: Growth rate Exposure time: 72 h Test Type: static test



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Test substance: Based on data from similar materials  
Method: OECD Test Guideline 201  
Remarks: No toxicity at the limit of solubility

NOEC (Pseudokirchneriella subcapitata (green algae)): > 10 mg/l

End point: Growth rate

Exposure time: 72 h

Test Type: static test

Test substance: Based on data from similar materials

### Persistence and degradability

#### Product:

Biodegradability : Result: Readily biodegradable.

### Bioaccumulative potential

No data available

### Mobility in soil

No data available

### Other adverse effects

#### Product:

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks: 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).

Additional ecological information : No data available

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Dispose of in accordance with local regulations.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

## SECTION 14. TRANSPORT INFORMATION

### International Regulations

#### UNRTDG

Not regulated as a dangerous good

#### IATA-DGR

Not regulated as a dangerous good

#### IMDG-Code

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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

#### 49 CFR

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

### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : No SARA Hazards

**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.

### Clean Air Act

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).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

### Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

### California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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

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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
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

### TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

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## SECTION 16. OTHER INFORMATION

### Further information

# SAFETY DATA SHEET

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## LIPOTIN™ DB

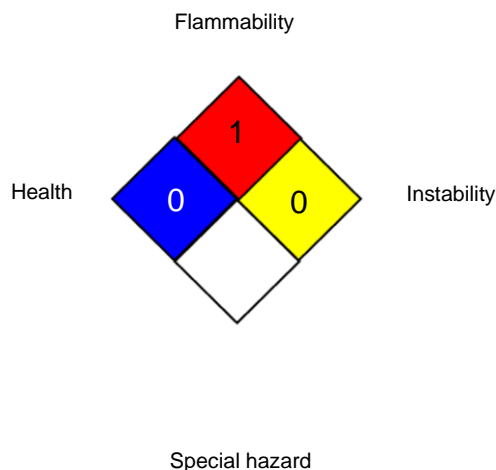
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### NFPA 704:



### HMIS® IV:

HEALTH	/	0
FLAMMABILITY		1
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

### Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; 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; HMIS - Hazardous Materials Identification System; 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; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Con-

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trol Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Revision Date : 05/02/2025

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.

US / EN

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## LIPOTIN™ 100

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	08/20/2025	000050000843	Date of first issue: 08/20/2025

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### SECTION 1. IDENTIFICATION

Product name : LIPOTIN™ 100

#### Manufacturer or supplier's details

Company name of supplier : Cargill Incorporated  
Address : 15407 McGinty Rd W Wayzata, MN 55391

Telephone : 1-800-227-4455  
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 : Industrial use

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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a hazardous substance or mixture.

#### GHS label elements

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

#### Other hazards

None known.

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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance  
Substance name : Lecithin

CAS-No. : 8002-43-5

#### 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	: If inhaled, remove to fresh air. If symptoms persist, call a physician.
In case of skin contact	: Wash contaminated clothing before reuse. Wash off with soap and plenty of water. If skin irritation persists, call a physician.
In case of eye contact	: Rinse with plenty of water. Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.

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If swallowed	:	Rinse mouth with water. Keep respiratory tract clear. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	:	None known.
Notes to physician	:	Treat symptomatically.

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### SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	:	Do NOT use water jet.
Specific hazards during fire-fighting	:	Burning produces irritant fumes.
Hazardous combustion products	:	No hazardous combustion products are known
Further information	:	In the event of fire and/or explosion do not breathe fumes. 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.

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### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Use personal protective equipment. Ensure adequate ventilation.
Environmental precautions	:	Should not be released into the environment. Try to prevent the material from entering drains or water courses.
Methods and materials for containment and cleaning up	:	Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.

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### SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
Advice on safe handling	:	Wear personal protective equipment. Use only with adequate ventilation. For personal protection see section 8.

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## LIPOTIN™ 100

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Conditions for safe storage	:	Smoking, eating and drinking should be prohibited in the application area. Store in original container. Electrical installations / working materials must comply with the technological safety standards.
Materials to avoid	:	No materials to be especially mentioned.
Further information on storage stability	:	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	:	Maintain air concentrations below occupational exposure standards.
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#### Personal protective equipment

Respiratory protection	:	In case of insufficient ventilation, wear suitable respiratory equipment.
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Hand protection

Remarks	:	For prolonged or repeated contact use protective gloves. The suitability for a specific workplace should be discussed with the producers of the protective gloves.
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Eye protection	:	Safety glasses
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Skin and body protection	:	Protective suit
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Hygiene measures	:	General industrial hygiene practice.
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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
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Colour	:	yellow, amber
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Odour	:	mild
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Odour Threshold	:	No data available
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pH	:	5.9 - 6.9 (77 °F / 25 °C) Concentration: 10 g/l
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Melting point/freezing point	:	-13 °F / -25 °C
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Initial boiling point and boiling range	:	No data available
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Flash point	:	356 °F / 180 °C
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Evaporation rate	:	No data available
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Flammability (liquids)	:	No data available
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Vapour pressure	:	< 1 hPa (77 °F / 25 °C)
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Relative vapour density	:	No data available
Relative density	:	No data available
Density	:	1.0305 g/ml (68 °F / 20 °C)
Solubility(ies)	:	
Water solubility	:	insoluble
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	log Pow: 13.41
Auto-ignition temperature	:	212 °F / 100 °C
Decomposition temperature	:	No data available
Viscosity	:	
Viscosity, dynamic	:	70 mPa.s (77 °F / 25 °C)
Viscosity, kinematic	:	No data available

### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Stable at normal ambient temperature and pressure.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No dangerous reaction known under conditions of normal use. Stable under recommended storage conditions.
Conditions to avoid	:	Heat, flames and sparks.
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): > 5,000 mg/kg Method: OECD Test Guideline 401 Symptoms: Gastrointestinal discomfort Remarks: Based on data from similar materials
Acute inhalation toxicity	:	LC50 (Rat, male and female): > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Assessment: The substance or mixture has no acute inhalation toxicity Remarks: No adverse effect has been observed in acute tox-

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icity tests.

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

### Skin corrosion/irritation

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

#### Product:

Assessment : No skin irritation  
Remarks : slight irritation

### Serious eye damage/eye irritation

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

#### Product:

Assessment : No eye irritation  
Remarks : slight 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:

Exposure routes : Skin contact  
Assessment : Does not cause skin sensitisation.  
Remarks : May cause sensitisation of susceptible persons by skin contact.

Test Type : Direct Peptide Reactivity Assay (DPRA)  
Method : OECD Test Guideline 442C  
Result : negative  
GLP : yes

Test Type : Human Cell Line Activation Test (h-CLAT)  
Method : OECD Test Guideline 442E  
Result : negative  
GLP : yes

### 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 : Animal testing did not show any mutagenic effects.

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### Carcinogenicity

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

#### Product:

Remarks : Animal testing did not show any carcinogenic effects.

Carcinogenicity - Assessment : Animal testing did not show any carcinogenic effects.

**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.

### Reproductive toxicity

Not classified due to lack of data.

#### Product:

Reproductive toxicity - Assessment : Animal testing did not show any effects on foetal development., No effects on or via lactation

### STOT - single exposure

Not classified due to lack of data.

### STOT - repeated exposure

Not classified due to lack of data.

### 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 : LC50 (Danio rerio (zebra fish)): > 100 mg/l  
Exposure time: 96 h  
Test Type: static test  
Test substance: Based on data from similar materials

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Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1,000 mg/l  
Exposure time: 48 h  
Test Type: static test  
Test substance: Based on data from similar materials  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EL50 (Pseudokirchneriella subcapitata (green algae)): > 1,050 mg/l  
Exposure time: 72 h  
Test Type: static test  
Test substance: Based on data from similar materials  
Method: OECD Test Guideline 201

NOEC (Pseudokirchneriella subcapitata (green algae)): > 10 mg/l  
Exposure time: 72 h  
Test Type: static test  
Test substance: Based on data from similar materials

### Persistence and degradability

#### Product:

Biodegradability : Result: Readily biodegradable.

### Bioaccumulative potential

No data available

### Mobility in soil

No data available

### Other adverse effects

#### Product:

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances  
Remarks: 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).

Additional ecological information : No data available

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Dispose of in accordance with local regulations.  
Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

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### 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

##### 49 CFR

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

#### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

#### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : No SARA Hazards

**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.

#### Clean Air Act

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).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

#### Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

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This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

### California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### 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
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

### TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

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## SECTION 16. OTHER INFORMATION

### Further information

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## LIPOTIN™ 100

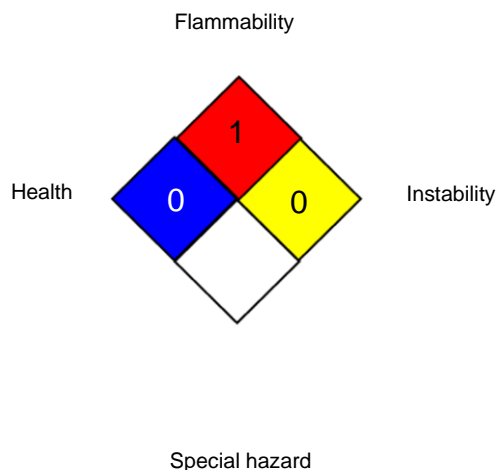
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### NFPA 704:



### HMIS® IV:

HEALTH	/	0
FLAMMABILITY		1
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

### Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; 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; HMIS - Hazardous Materials Identification System; 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; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Con-

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trol Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Revision Date : 08/20/2025

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.

US / EN



## TOPCITHIN™ 100

**SECTION 1: Identification**

Product identifier

Brandname TOPCITHIN™ 100

REACH status Exempted in accordance with Annex IV

Revision date 02-06-2015

Company identification

Cargill, Incorporated, Cargill Texturizing Solutions  
15407 McGinty Road West  
Wayzata, MN 55391-2399  
US

Non emergency telephone +1-800-241-9485

Emergency telephone number

Emergency telephone +1-800-255-3924 / +1-813-248-0585

**SECTION 2: Hazards identification**

Physical hazards  
Not classified.

Health hazards  
Not classified.

OSHA defined hazards  
Not classified,

Label element(s)

Hazard symbol  
None.

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

Precautionary statements

Prevention  
Observe good industrial hygiene practices.

Response  
Wash hands after handling.

Storage  
Store away from incompatible materials.

## TOPCITHIN™ 100

## Disposal

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

## Hazard(s) not otherwise classified (HNOC)

None known.

## Supplemental information

Not applicable.

**SECTION 3: Composition/information on ingredients**

## Product identifiers substances

Chemical name	CAS No
Lecithins	8002-43-5

**SECTION 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 and effects, both acute and delayed

Direct contact with eyes may cause temporary irritation.

## Information on medical attendance

Treat symptomatically.

## General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

**SECTION 5: Firefighting measures**

## Suitable extinguishing media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

## Unsuitable extinguishing media

**TOPCITHIN™ 100**

None known.

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighter

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions

In the event of fire, cool tanks with water spray.

Specific methods

Cool containers exposed to flames with water until well after the fire is out.

**SECTION 6: Accidental release measures**

Personal precautions

Keep unnecessary personnel away. Wear appropriate personal protective equipment. Ensure adequate ventilation.

Methods for cleaning up

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.

**SECTION 7: Handling and storage**

Precautions for safe handling

Use with adequate ventilation. Wear appropriate personal protective equipment. Avoid direct contact with eyes.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

**SECTION 8: Exposure controls/personal protection**

Occupational exposure limits

No exposure limits noted for ingredient(s).

Biological limit values

No biological exposure limits noted for the ingredient(s).

## TOPCITHIN™ 100

Appropriate engineering controls

General ventilation normally adequate.

Individual protection measures, such as personal protective equipment

Eye/face protection

If contact is likely, safety glasses with side shields are recommended.

Skin protection

Hand protection

Wear suitable gloves.

Other

Wear suitable protective clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

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.

### SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Not available.
Color	Not available.
Odor	Not available.
Odor threshold	Not available.
Physical state	Liquid.
pH	Not available.
Melting Point/ freezing point	Not available.
Initial boiling point and boiling range (°C)	Not available.
Flash Point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Explosive limit lower	Not available.
Explosive limit upper	Not available.

**TOPCITHIN™ 100**

Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility in water	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

**SECTION 10: Stability and reactivity****Reactivity**

The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability**

Material is stable under normal conditions.

**Possibility of hazardous reactions**

No dangerous reaction known under conditions of normal use.

**Conditions to avoid**

Contact with incompatible materials.

**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**

No adverse effects due to inhalation are expected.

**Skin contact**

May cause skin irritation.

**Eye contact**

May cause eye irritation.

**Ingestion**

Ingestion may cause irritation and malaise.

**TOPCITHIN™ 100**

Symptoms related to the physical, chemical and toxicological  
Irritant effects.

Information on toxicological effects

Acute toxicity

Occupational exposure to the substance or mixture may cause adverse effects.

Skin corrosion/irritation

Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation

Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

Respiratory sensitization

No data available.

Skin sensitization

No data available.

Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive toxicity

No data available.

Specific target organ toxicity - single exposure

No data available.

Specific target organ toxicity - repeated exposure

No data available.

Aspiration hazard

No data available.

**SECTION 12: Ecological information**

Ecotoxicity

Not expected to be harmful to aquatic organisms.

**TOPCITHIN™ 100**

## Persistence and degradability

No data is available on the degradability of this product.

## Bioaccumulative potential

No data available for this product.

## Mobility in soil

No data available.

## Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

**SECTION 13: Disposal considerations**

## Disposal instructions

Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

## Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

## Waste from residues / unused products

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).

## Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

**SECTION 14: Transport information**

## Transport hazard class(es)

DOT	Not regulated as dangerous goods.
IATA	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.

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

Not established.

**SECTION 15: Regulatory information**

## TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

# TOPCITHIN™ 100

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)  
Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)  
Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories  
Immediate Hazard - No  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

SARA 302 Extremely hazardous substance  
Not listed.

SARA 311/312 Hazardous chemical  
No

SARA 313 (TRI reporting)  
Not regulated.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List  
Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)  
Not regulated.

Safe Drinking Water Act (SDWA)  
Not regulated.

US. Massachusetts RTK - Substance List  
Not regulated.

US. New Jersey Worker and Community Right-to-Know Act  
Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law  
Not listed.

US. Rhode Island RTK  
Not regulated.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance  
Not listed.

## Inventory status

Country(s) or region	Inventory name	On inventory
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes



## TOPCITHIN™ 100

Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States	Toxic Substances Control Act (TSCA) Inventory	Yes
Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

## Remark

\*A "Yes" indicates this product complies 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).

## SECTION 16: Other information

## Revision information

Date of first issue 06-02-2015

## Disclaimer:

The information contained herein is believed to be true and accurate. However, all statements, recommendations or suggestions are made without any guarantee, representation or warranty, express or implied, on our part. Therefore, no warranty is made or to be implied that the information set out in this document is accurate or complete, and we accordingly exclude all liability in connection with the use of this information or the products referred to herein. All such risks are assumed by the purchaser/user. For the avoidance of doubt, however, nothing in this document excludes or limits our liability for death or personal injury caused by our negligence or for fraudulent misrepresentation.



# Technical Data Sheet

CARGILL, INCORPORATED  
15407 MCGINTY ROAD WEST  
WAYZATA MN 55391  
USA

16147566

## EMULFLUID™ HL 66 LECITHIN 450LB DRM

MATERIAL NUMBER:100002782

VALIDITY DATE (MM/DD/YYYY):05/21/2024

MATERIAL UPC CODE:

DATE REVISED (MM/DD/YYYY):05/21/2024

STATUS:Current

MATERIAL DESCRIPTION:EMULFLUID™ HL 66 LECITHIN 450LB DRM

### ANALYTICAL SPECIFICATIONS

CHEMICAL	MIN	TARGET	MAX	UOM	METHOD
Acetone Insolubles	58	63		%	Cargill Internal Method
Acid Value (mg KOH/g)		32	45	MKG	Cargill Internal Method
Peroxide Value			30	meq/Kg	Cargill Internal Method
Moisture		0.5	1.5	%	Cargill Internal Method
Hexane Insoluble		0.03	0.1	%	Cargill Internal Method
Arsenic			3	ppm	
Lead			1	ppm	
Mercury			1	ppm	

PHYSICAL	MIN	TARGET	MAX	UOM	METHOD
Viscosity			18,000	cP	Cargill Internal Method
Gardner Color (Undiluted)			12		

MICRO	MIN	TARGET	MAX	UOM	METHOD
Salmonella		NEGATIVE			AOAC 2017.06
Total Plate Count			1,000	CFU	FDA/BAM
Enterobacteriaceae			10	CFU	ISO 21528-2:2017

SENSORY	MIN	TARGET	MAX	UOM	METHOD
Appearance		Yellow to Amber Liquid			
Odour+taste		Characteristic			

OTHER	MIN	TARGET	MAX	UOM	METHOD

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# EMULFLUID™ HL 66 LECITHIN 450LB DRM

MATERIAL NUMBER:	100002782	VALIDITY DATE (MM/DD/YYYY):	05/21/2024
MATERIAL UPC CODE:		DATE REVISED (MM/DD/YYYY):	05/21/2024
STATUS:	Current		
MATERIAL DESCRIPTION:	EMULFLUID™ HL 66 LECITHIN 450LB DRM		

ANALYTICAL SPECIFICATIONS (continued...)

OTHER	MIN	TARGET	MAX	UOM	METHOD
Filter Inspection		PASS TEST			Cargill Internal Method

**MATERIAL STATEMENTS:**  
Hydroxylated liquid soy lecithin. A mixture of non-polar (triglycerides) and polar (phospho- and glyco-) lipids and a small amount of carbohydrates.  
-  
Food Grade  
-  
Beauty, Personal Care, Cosmetic Use  
-  
Dispersible in water, soluble in fats/oils and partly soluble in ethanol. Heating to facilitate better handling is acceptable if surface temperatures are held below 60°C (140°F)

**INGREDIENT STATEMENTS:**  
Ingredient (US): Hydroxylated Soy Lecithin. Contains: Soy

**DIET STATEMENTS:**  
Does not contain means an allergen(s) is not required to be labeled under the US Federal Food, Drug, and Cosmetic Act  
-  
Contains means allergen(s) labeling is required according to the US Federal Food, Drug and Cosmetic Act.  
-  
Sulfur dioxide (SO2) <10ppm labelling is not required under 21 CFR 101.100 of the US FDA.

**HANDLING STATEMENTS:**  
The recommended best when used by date under proper conditions and in original unopened packaging is 24 months from the date of manufacture. Product stored beyond this date should be evaluated periodically for fitness of use. The acceptability of the product depends on storage/handling conditions and customer-defined acceptance criteria.  
-  
Product should be stored at ambient temperature and ambient humidity. Product should be stored in a clean, dry, and odor-free area. The specified shelf life can only be guaranteed for this product if the above mentioned recommended storage conditions are respected.  
-  
Due to its composition the product may occasionally separate. This does not influence the quality. Stirring at a slightly elevated temperature will re-homogenize the product.

**NUTRIENT STATEMENTS:**  
This information reflects US requirements for nutrition. Nutritional values are typical and not analyzed every lot. These values are from a combination of calculations and analytical data.  
-

- CONFIDENTIAL -

# EMULFLUID™ HL 66 LECITHIN 450LB DRM

**MATERIAL NUMBER:** 100002782

**VALIDITY DATE (MM/DD/YYYY):** 05/21/2024

**MATERIAL UPC CODE:**

**DATE REVISED (MM/DD/YYYY):** 05/21/2024

**STATUS:** Current

**MATERIAL DESCRIPTION:** EMULFLUID™ HL 66 LECITHIN 450LB DRM

## STATEMENTS (continued...)

For US the fat content is defined as the "sum of all lipid fatty acids expressed as triglycerides".

-

No ash value, because ash contains phosphorus which is already counted in total fat (phospholipids).

-

Polysaccharides listed as Other Carbohydrates

## REGULATORY STATEMENTS:

This ingredient is produced in conformity with Cargill specifications, and is GRAS in the United States based on scientific procedures.

-

Specific national legislation on the manufacture, the maximum amount and the labelling of certain foods must be respected.

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The product is derived from potentially genetically modified soybeans. The product is subject to labeling acc. to regulations 1829/2003/EC and 1830/2003/EC.

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Status pursuant to USDA 7 CFR Part 66 National Bioengineered Food Disclosure Standard ("BE" status):

The product is derived from genetically modified raw material. It does not contain detectable levels of genetically modified material that has been modified through in vitro recombinant deoxyribonucleic acid (rDNA) techniques and for which the modification could not otherwise be obtained through conventional breeding or found in nature. The manufacturing process has been validated that it removes genetic material to undetectable levels.

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Country of Origin: USA. Country of Origin or product origin is defined as the country where the material was manufactured / produced / cultivated. When the material undergoes substantial transformation in a second country, the country in which the transformation is performed shall be considered the country of origin.

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## DIET SUITABILITY DATA

ALLERGENS	DESCRIPTION
CRUSTACEAN / SHELL FISH	Does Not contain
EGG	Does Not contain
FISH	Does Not contain
MILK/DAIRY	Does Not contain
SESAME	Does Not contain
PEANUTS	Does Not contain
SOY	Contains
TREE NUTS	Does Not contain
WHEAT	Does Not contain
MUSTARD	Does Not contain
CELERY	Does Not contain

RELIGIOUS	DESCRIPTION
KOSHER	Yes
HALAL	Yes

SENSITIVE	DESCRIPTION
SULFITES	Does Not contain

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## NUTRITIONAL DATA

NUTRIENTS	AMOUNT/ 100g
Calories (Kcal)	643
Calories (kJ)	2687
Calories from Fat (Kcal)	621
Cholesterol (mg)	0
Monounsaturated Fat (g)	8
Polyunsaturated Fat (g)	37
Saturated Fat (g)	14
Total Fat (g)	69
Trans Fat (g)	0.1
Added Sugars (g)	0
Other Carbohydrates (g)	2.5
Total Carbohydrate (g)	5.5
Total Sugars (g)	3
Protein (g)	0
Dietary Fiber (g)	0
Calcium (mg)	200
Iron (mg)	2
Potassium (mg)	1990
Sodium (mg)	30
Vitamin D (µg)	0
Moisture (g)	0.8

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