

SAFETY DATA SHEET

according to the Hazardous Products Regulations



UNIPECTINE QC 64017 SB

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	06/02/2025	000050006075	Date of first issue: 06/02/2025

SECTION 1. IDENTIFICATION

Product name : UNIPECTINE QC 64017 SB
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

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.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	Common Name/Synonym	CAS-No.	Concentration (% w/w)
sucrose	sucrose	57-50-1	>= 30 - < 60 *

* Actual concentration or concentration range is withheld as a trade secret

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.

SAFETY DATA SHEET

according to the Hazardous Products Regulations



UNIPECTINE QC 64017 SB

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	06/02/2025	000050006075	Date of first issue: 06/02/2025

If swallowed	:	Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist. 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.

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. 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. 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. Avoid dust formation. Avoid breathing dust. Remove all sources of ignition.
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	:	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 released into the atmosphere in sufficient concentration.

SAFETY DATA SHEET

according to the Hazardous Products Regulations



UNIPECTINE QC 64017 SB

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	06/02/2025	000050006075	Date of first issue: 06/02/2025

Pick up and arrange disposal without creating dust.
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.
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.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
- Conditions for safe storage : Keep away from sources of ignition - No smoking.
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 : Keep in a dry place.
No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
sucrose	57-50-1	TWA	10 mg/m3	CA AB OEL
		TWA (Total dust)	10 mg/m3	CA BC OEL
		TWA (respirable dust fraction)	3 mg/m3	CA BC OEL
		TWAEV	10 mg/m3	CA QC OEL
		TWA	10 mg/m3	ACGIH

- Engineering measures : Dust formation may be relevant in the processing of this product. In addition to substance-specific OELs, general limitations of concentrations of particulates in the air at workplaces have to be considered in workplace risk assessment. Relevant limits include: OSHA PEL for Particulates Not Otherwise Regulated of 15 mg/m3 - total dust, 5 mg/m3 - respir-

SAFETY DATA SHEET

according to the Hazardous Products Regulations



UNIPECTINE QC 64017 SB

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	06/02/2025	000050006075	Date of first issue: 06/02/2025

able fraction; and ACGIH TWA for Particles (insoluble or poorly soluble) Not Otherwise Specified of 3 mg/m³ - respirable particles, 10 mg/m³ - 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	:	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. Do not wear contact lenses.
Skin and body protection	:	Protective suit
Hygiene measures	:	PREVENT GENERATION OF DUST.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	powder
Colour	:	white
Odour	:	neutral
Odour Threshold	:	No data available
pH	:	2.5 - 5
Melting point/freezing point	:	200 °C
Boiling point/boiling range	:	Decomposes below the boiling point.
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
Relative vapour density	:	No data available
Relative density	:	No data available
Density	:	1.58 g/cm ³
Solubility(ies)	:	
Water solubility	:	
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity	:	

SAFETY DATA SHEET

according to the Hazardous Products Regulations



UNIPECTINE QC 64017 SB

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	06/02/2025	000050006075	Date of first issue: 06/02/2025

Viscosity, dynamic	:	410 mPa.s
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	:	Stable under recommended storage conditions. 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): > 5,000 mg/kg Test substance: Input data for the components
Acute inhalation toxicity	:	LC50: > 12.5 mg/l Exposure time: 4 h Test atmosphere: dust/mist
Acute dermal toxicity	:	LD50 (Rabbit): > 5,000 mg/kg Test substance: Input data for the components

Components:

sucrose:

Acute oral toxicity	:	LD50 (Rat, male and female): 29,700 mg/kg Test substance: Based on data from similar materials
Acute inhalation toxicity	:	LC50: > 12.5 mg/l Exposure time: 4 h Test atmosphere: dust/mist
Acute dermal toxicity	:	LD50 (Rabbit): > 5,000 mg/kg

Skin corrosion/irritation

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

SAFETY DATA SHEET

according to the Hazardous Products Regulations



UNIPECTINE QC 64017 SB

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	06/02/2025	000050006075	Date of first issue: 06/02/2025

Product:

Test substance	:	Input data for the components
Remarks	:	No skin irritation

Components:

sucrose:

Result	:	No skin irritation
Test substance	:	Based on data from similar materials
Remarks	:	No skin irritation

Serious eye damage/eye irritation

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

Product:

Test substance	:	Input data for the components
Remarks	:	No eye irritation

Components:

sucrose:

Result	:	No eye irritation
Test substance	:	Based on data from similar materials
Remarks	:	No eye irritation

Respiratory or skin sensitisation

Skin sensitisation

Not classified due to lack of data.

Respiratory sensitisation

Not classified due to lack of data.

Product:

Test substance	:	Input data for the components
Remarks	:	Not a skin sensitizer.

Components:

sucrose:

Result	:	Not a skin sensitizer.
Test substance	:	Based on data from similar materials
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	:	Test substance: Input data for the components
	:	Remarks: In vitro tests did not show mutagenic effects

SAFETY DATA SHEET

according to the Hazardous Products Regulations



UNIPECTINE QC 64017 SB

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	06/02/2025	000050006075	Date of first issue: 06/02/2025

Genotoxicity in vivo : Test substance: Input data for the components
Remarks: In vivo tests did not show mutagenic effects

Components:

sucrose:

Genotoxicity in vitro : Test substance: Based on data from similar materials
Remarks: In vitro tests did not show mutagenic effects

Genotoxicity in vivo : Test substance: Based on data from similar materials
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.

Product:

Test substance : Input data for the components
Remarks : Animal testing did not show any carcinogenic effects.

Reproductive toxicity

Not classified due to lack of data.

Product:

Effects on fertility : Result: No effects on fertility and early embryonic development were detected.
Remarks: Input data for the components

Components:

sucrose:

Effects on fertility : Result: No effects on fertility and early embryonic development were detected.
Remarks: Based on data from similar materials

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

STOT - single exposure

Not classified due to lack of data.

STOT - repeated exposure

Not classified due to lack of data.

Repeated dose toxicity

Product:

Test substance : Input data for the components
Remarks : No adverse effect has been observed in chronic toxicity tests.

SAFETY DATA SHEET

according to the Hazardous Products Regulations



UNIPECTINE QC 64017 SB

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	06/02/2025	000050006075	Date of first issue: 06/02/2025

Components:

sucrose:

Test substance	:	Based on data from similar materials
Remarks	:	No adverse effect has been observed in chronic toxicity tests.

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 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l Exposure time: 96 h Test substance: Input data for the components
------------------	---	--

Toxicity to algae/aquatic plants	:	EC50 (green algae): > 100 mg/l Exposure time: 72 h Test substance: Input data for the components
----------------------------------	---	--

Components:

sucrose:

Toxicity to fish	:	LC50 (Fish): > 100 mg/l Exposure time: 96 h Method: QSAR
------------------	---	--

Toxicity to algae/aquatic plants	:	EC50 (green algae): > 100 mg/l Exposure time: 72 h Method: QSAR
----------------------------------	---	---

Persistence and degradability

Product:

Biodegradability	:	Result: Readily biodegradable. Test substance: Input data for the components
------------------	---	---

SAFETY DATA SHEET

according to the Hazardous Products Regulations



UNIPECTINE QC 64017 SB

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	06/02/2025	000050006075	Date of first issue: 06/02/2025

Components:

sucrose:

Biodegradability : Result: Readily biodegradable.

Bioaccumulative potential

Components:

sucrose:

Bioaccumulation : Remarks: Does not bioaccumulate.

Partition coefficient: n-octanol/water : log Pow: -3.70

Mobility in soil

No data available

Other adverse effects

Product:

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

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.

SAFETY DATA SHEET

according to the Hazardous Products Regulations



UNIPECTINE QC 64017 SB

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	06/02/2025	000050006075	Date of first issue: 06/02/2025

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
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	: Not 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

ACGIH	: USA. ACGIH Threshold Limit Values (TLV)
CA AB OEL	: Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
CA BC OEL	: Canada. British Columbia OEL
CA QC OEL	: Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for air-borne contaminants
ACGIH / TWA	: 8-hour, time-weighted average
CA AB OEL / TWA	: 8-hour Occupational exposure limit
CA BC OEL / TWA	: 8-hour time weighted average
CA QC OEL / TWA EV	: Time-weighted average exposure value

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

SAFETY DATA SHEET

according to the Hazardous Products Regulations



UNIPECTINE QC 64017 SB

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	06/02/2025	000050006075	Date of first issue: 06/02/2025

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

Revision Date : 06/02/2025
Date format : mm/dd/yyyy

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