Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Revision date: 12.14.2023

NatureWax® C-3

SECTION 1: Identification

Product Identifier

Product Name: NatureWax® C-3

Recommended Use of the Product and Restriction on Use

Relevant Identified Uses: Candle wax

Uses Advised Against: Not determined or not applicable.

Reasons Why Uses Advised Against: Not determined or not applicable.

Manufacturer or Supplier Details

Supplier:
United States
Cargill Incorporated
15407 McGinty Rd W
Wayzata, MN 55391
1-800-227-4455

Emergency Telephone Number:

United States
VelocityEHS (formerly ChemTel, Inc)
1-800-255-3924 (North America)
+1-813-248-0585 (International)

SECTION 2: Hazard(s) Identification

GHS Classification: Not a hazardous substance or mixture

Label elements

Hazard Pictograms: None

Signal Word: None

Hazard statements: None

Precautionary Statements: None

Hazards Not Otherwise Classified: None

SECTION 3: Composition/Information on Ingredients

Identification	Name	Weight %
CAS Number: 31566-31-1	Stearic acid, monoester with glycerol	1-3

Additional Information: None

SECTION 4: First Aid Measures

Description of First Aid Measures

General Notes:

First responders should wear gloves and other self-protection when performing treatment.

After Inhalation:

Get medical advice if you feel unwell.
If inhaled, remove to fresh air.

After Skin Contact:

Wash with plenty of water / soap and rinse thoroughly.
Get medical advice if skin irritation occurs or if you feel unwell.
If contact with hot material, cool molten material adhering to skin immediately. Get medical attention.

After Eye Contact:

Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
Get medical advice/attention.

After Swallowing:

Rinse mouth and do not induce vomiting.
Get medical advice if you feel unwell or concerned.

Most Important Symptoms and Effects, Both Acute and Delayed

Acute Symptoms and Effects:

Contact with skin may cause irritation.
Fumes from the heating of material may cause irritation to respiratory tract.
Exposure to hot material may cause thermal burns.
Exposure to hot material may cause thermal burns.

Delayed Symptoms and Effects:

Prolong contact with skin may cause slight irritation.

Immediate Medical Attention and Special Treatment

Specific Treatment:

Burns should be treated as thermal burns.
Burns should be treated as thermal burns.

Notes for the Doctor:

Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5: Firefighting Measures

Extinguishing Media

Suitable Extinguishing Media:

Use Water (fog only), dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam.

Unsuitable Extinguishing Media:

Do not use water stream as an extinguisher, as this may spread fire.

Specific Hazards During Fire-Fighting:

Thermal decomposition can lead to release of irritating gases and vapors.
High concentrations of dust may lead to combustible mixtures with air. 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.
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Special Protective Equipment for Firefighters:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit

Special precautions:

Rags, steel wool, or waste contaminated with this product may spontaneously catch fire if improperly handled or discarded.

SECTION 6: Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures:

Wear recommended personal protective equipment.

Ensure adequate ventilation.

Ensure air handling systems are operational.

Environmental Precautions:

Should not be released into the environment.

Prevent from reaching drains, sewer or waterway.

Methods and Material for Containment and Cleaning Up:

Wear protective eye wear, gloves and clothing.

Dispose of contents / container in accordance with local regulations.

Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders).

Used rags or other cleaning materials should be soaked with water and placed in a sealed container to prevent spontaneous combustion.

Allow molten material to cool and solidify.

Allow molten material to cool and solidify.

Reference to Other Sections:

See section 8 and 13.

See section 8 and 13.

SECTION 7: Handling and Storage

Precautions for Safe Handling:

Use appropriate personal protective equipment (see Section 8).

Use only with adequate ventilation.

Do not eat, drink, smoke or use personal products when handling chemical substances.

Wash thoroughly after handling.

Used rags or other cleaning materials should be soaked with water and placed in a sealed container to prevent spontaneous combustion.

Avoid processing operations which generate dust and accumulation. Combustible dust clouds may be created where operations produce fine material (dust).

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Conditions for Safe Storage, Including Any Incompatibilities:

Store in a cool, well-ventilated area.

Protect from freezing and physical damage.

Keep container tightly sealed.

SECTION 8: Exposure Controls/Personal Protection

Only those substances with limit values have been included below.

Occupational Exposure Limit Values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
ACGIH	Stearic acid, monoester with glycerol	31566-31-1	8-Hour TWA: 3 mg/m³ (Stearates (except stearates of toxic metals), respirable fraction)
	Stearic acid, monoester with glycerol	31566-31-1	8-Hour TWA: 10 mg/m³ (Stearates (except stearates of toxic metals), inhalable fraction)

Biological Limit Values:

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

Information on Monitoring Procedures:

Not determined or not applicable.

Appropriate Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

If processing operations have the potential to generate dust, the dust may be ignited by friction, heat, sparks or flames. It is recommended that all dust control equipment (such as local exhaust ventilation and material transport systems) involved in handling this product contain explosion relief vents or an explosion suppression system. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area. Keep static electricity under control, which includes the bonding and grounding equipment.

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Personal Protection Equipment

Eye and Face Protection:

Safety glasses (with side shields) or goggles.

Safety glasses (with eye shields) or goggles.

Skin and Body Protection:

Select glove material impermeable and resistant to the substance.

Suitable glove barrier materials include: Nitrile/butadiene rubber ("nitrile" or "NBR"); 0.11 mm coating thickness, permeation level 6, >480 minutes breakthrough time.

Where appropriate thermal protective clothing, when necessary.

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Protective gloves are recommended for repeated or prolonged exposure.

Selection of specific items will depend on the task, when needed.

Suitable gloves can be recommended by glove supplier.

Respiratory Protection:

Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines.

If there are no applicable exposure limit requirements or guidelines, use a NIOSH-approved respirator.

Where air-purifying respirators are appropriate, use a respirator with multi-purpose combination (US) or

type ABEK (EN 14387) respirator cartridges.

General Hygienic Measures:

Avoid contact with skin, eyes and clothing.
Wash hands before breaks and at the end of work.
Wash contaminated clothing before reuse.

SECTION 9: Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Appearance	Solid, pale yellow, oily; liquid at elevated temperatures.
Odor	Faint.
Odor threshold	Not determined or not available.
pH	Not determined or not available.
Melting point/freezing point	125 - 130°F
Initial boiling point/range	Not determined or not available.
Flash point (closed cup)	315°C / >600°F
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	Not determined or not available.
Vapor density	Not determined or not available.
Density	<0.920 - 0.925 g/cc
Relative density	Not determined or not available.
Solubilities	Not soluble in water.
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Not determined or not available.
Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not determined or not available.
Kinematic viscosity	Not determined or not available.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

SECTION 10: Stability and Reactivity

Reactivity:

Does not react under normal conditions of use and storage.

Chemical Stability:

Stable under normal conditions of use and storage.

Possibility of Hazardous Reactions:

None under normal conditions of use and storage.
High surface area exposure to oxygen can result in polymerization and release of heat.
Processing operations may form combustible dust concentrations in air.
Processing operations may form combustible dust concentrations in air.

Conditions to Avoid:

Exposure to heat and contact with sources of ignition.
Avoid dust generation and accumulation.
High surface area exposure to oxygen can result in polymerization and release of heat.
Avoid dust generation and accumulation.

Incompatible Materials:

Strong oxidizing agents.

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide.

SECTION 11: Toxicological Information

Acute Toxicity

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

Product Data: No data available.

Substance Data:

Name	Route	Result
Stearic acid, monoester with glycerol	oral	LD50 Mouse: >5000 mg/kg
	dermal	LD50 Rat: >2000 mg/kg

Skin Corrosion/Irritation

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

Product Data:

Based on components, prolonged contact may cause slight skin irritation. Molten material may produce thermal burns.

Prolong contact may cause slight skin irritation. Molten material may produce thermal burns.

Substance Data: No data available.

Serious Eye Damage/Irritation

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

Product Data:

Based on components, may cause slight temporary eye irritation.

Substance Data: No data available.

Respiratory or Skin Sensitization

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

Product Data:

For respiratory sensitization: No relevant data found.
For skin sensitization: Sensitive individuals may experience dermatitis after long exposure of oil on skin.

Substance Data: No data available.

Carcinogenicity

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

Product Data: No data available.

Substance Data: No data available.

International Agency for Research on Cancer (IARC):

Name	Classification
Stearic acid, monoester with glycerol	Not Applicable

National Toxicology Program (NTP):

Name	Classification
Stearic acid, monoester with glycerol	Not Applicable

OSHA Carcinogens: Not applicable

Germ Cell Mutagenicity

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

Product Data:

No data available.

Substance Data: No data available.

Reproductive Toxicity

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

Product Data:

No data available.

Substance Data: No data available.

Specific Target Organ Toxicity (Single Exposure)

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

Product Data:

No data available.

Substance Data: No data available.

Specific Target Organ Toxicity (Repeated Exposure)

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

Product Data:

No data available.

Substance Data: No data available.

Aspiration toxicity

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

Product Data:

Not an aspiration hazard.

Substance Data: No data available.

Information on Likely Routes of Exposure:

Inhalation: Brief (minutes) exposure is not likely to cause adverse effects. Excessive inhalation of oil mist may affect the respiratory system.

Skin: Prolong skin contact is unlikely to result in absorption of harmful amounts. Prolonged or repeated skin contact may cause drying, cracking, or irritation. Sensitive individuals may experience dermatitis after long exposure of oil on skin.

Eye: Contact with eyes may cause temporary irritation.

Ingestion: Not expected to be acutely toxic. Very low toxicity if swallowed.

Symptoms Related to the Physical, Chemical, and Toxicological Characteristics:

Skin contact may cause itching, cracking, swelling, and redness.

Eye contact may cause itching, tearing, and redness.

Vapor from heated material may cause coughing or sneezing.

Skin contact may cause itching, cracking, swelling, and redness.

Eye contact may cause itching, tearing, and redness.

Vapor from heated material may cause coughing or sneezing.

Swallowing excessive amounts may result in gastrointestinal upset with possible nausea, vomiting and diarrhea.

Other Information:

No data available.

SECTION 12: Ecological Information

Acute (Short-Term) Toxicity

Assessment:

Not expected to be harmful to aquatic organisms. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Product Data: No data available.

Substance Data: No data available.

Chronic (Long-Term) Toxicity

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

Product Data: No data available.

Substance Data: No data available.

Persistence and Degradability

Product Data: No data available.

Substance Data:

Name	Result
Stearic acid, monoester with glycerol	The substance is readily biodegradable (read-across substance showed 69 - 95% degradation after 28 days, measured by Oxygen consumption).

Bioaccumulative Potential

Product Data: No data available.

Substance Data: No data available.

Mobility in Soil

Product Data: No data available.

Substance Data:

Name	Result
Stearic acid, monoester with glycerol	Log Koc: 2 - 7.9

Results of PBT and vPvB assessment

Product Data:

PBT assessment: This product does not contain any substances that are assessed to be a PBT.

vPvB assessment: This product does not contain any substances that are assessed to be a vPvB.

Substance Data:

PBT assessment:

Stearic acid, monoester with glycerol	The substance is not PBT.

vPvB assessment:

Stearic acid, monoester with glycerol	The substance is not vPvB.

Other Adverse Effects: No data available.

SECTION 13: Disposal Considerations

Disposal Methods:

Dispose in accordance with applicable federal, state, and local regulations.

Contaminated packages:

Dispose in accordance with applicable federal, state, and local regulations.

SECTION 14: Transport Information

United States Transportation of Dangerous Goods (49 CFR DOT)

UN Number	Not regulated
UN Proper Shipping Name	Not regulated
UN Transport Hazard Class(es)	None
Packing Group	None
Environmental Hazards	None
Special Precautions for User	None

International Maritime Dangerous Goods (IMDG)

UN Number	Not regulated
UN Proper Shipping Name	Not regulated
UN Transport Hazard Class(es)	None
Packing Group	None
Environmental Hazards	None
Special Precautions for User	None

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN Number	Not regulated
UN Proper Shipping Name	Not regulated
UN Transport Hazard Class(es)	None
Packing Group	None
Environmental Hazards	None
Special Precautions for User	None

SECTION 15: Regulatory Information

United States Regulations

Inventory Listing (TSCA): All ingredients are listed-active or exempt.
Significant New Use Rule (TSCA Section 5): None of the ingredients are listed.
Export Notification under TSCA Section 12(b): None of the ingredients are listed.
SARA Section 302 Extremely Hazardous Substances: None of the ingredients are listed.
SARA Section 313 Toxic Chemicals: None of the ingredients are listed.
CERCLA: None of the ingredients are listed.
RCRA: None of the ingredients are listed.
Section 112(r) of the Clean Air Act (CAA): None of the ingredients are listed.
Massachusetts Right to Know: None of the ingredients are listed.
New Jersey Right to Know: None of the ingredients are listed.
New York Right to Know: None of the ingredients are listed.
Pennsylvania Right to Know: None of the ingredients are listed.
California Proposition 65: None of the ingredients are listed.
Additional information: Not determined.

SECTION 16: Other Information

Abbreviations and Acronyms: None

Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal 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, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

Initial Preparation Date: 06.09.2016

Revision date: 12.14.2023

Revision Notes:

Revision Date	Notes
2022-08-04	Revision date

End of Safety Data Sheet