

CERIDUST 1060 VITA

Page 1

Substance key: 000000709546

Revision Date: 01/31/2020

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SECTION 1. IDENTIFICATION

Identification of the company:	Clariant Corporation 4000 Monroe Road Charlotte, NC, 28205 Telephone No.: +1 704 331 7000
	Information of the substance/preparation: Product Stewardship, +1-704-331-7710
	Emergency tel. number: +1 800-424-9300 CHEMTREC

Trade name: CERIDUST 1060 VITA**Material number:** 305294**Primary product use:** Coating**Chemical family:** Micronized Renewable based Wax

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200

Combustible dust

GHS label elements

Signal word : Warning

Hazard statements : May form combustible dust concentrations in air.

Precautionary statements : **Prevention:**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243 Take precautionary measures against static discharge.
P233 Keep container tightly closed.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

Substance name : Micronized Renewable based Wax

CAS-No. : Not Assigned

CERIDUST 1060 VITA

Page 2

Substance key: 000000709546

Revision Date: 01/31/2020

Version : 2 - 2 / USA

Date of printing :04/21/2020

Components

This product does not contain any components that require disclosure according to OSHA Hazard Communication Standard 2012.

SECTION 4. FIRST AID MEASURES

- General advice : Get medical advice/ attention if you feel unwell.
- If inhaled : Move the victim to fresh air.
Give oxygen or artificial respiration if needed.
Get immediate medical advice/ attention.
Never give anything by mouth to an unconscious person.
- In case of skin contact : Wash thoroughly with soap and water for 15 minutes. If skin irritation occurs, seek medical attention.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Get medical attention immediately if irritation develops and persists.
- If swallowed : Rinse mouth.
Do NOT induce vomiting.
Never give anything by mouth to an unconscious person.
Get medical advice/ attention.
- Most important symptoms and effects, both acute and delayed : The possible symptoms known are those derived from the labelling (see section 2).
No additional symptoms are known.
- Notes to physician : Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray jet
Foam
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : High volume water jet
Carbon dioxide (CO₂)
Dry powder
- Specific hazards during firefighting : In case of fires, hazardous combustion gases are formed:
Carbon monoxide (CO)
Carbon dioxide (CO₂)
Nitrogen oxides (NO_x)
- Further information : Evacuate endangered area, seal off area.

CERIDUST 1060 VITA

Page 3

Substance key: 000000709546

Revision Date: 01/31/2020

Version : 2 - 2 / USA

Date of printing :04/21/2020

Wear suitable protective equipment.

Special protective equipment for firefighters : Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Wear suitable protective equipment.
Avoid dust formation.
Keep away sources of ignition.

Environmental precautions : The product should not be allowed to enter drains, water courses or the soil.

Methods and materials for containment and cleaning up : Take up mechanically
Avoid dust formation.
Take measures to prevent the build up of electrostatic charge.
Risk of dust explosion.
Treat recovered material as described in the section "Disposal considerations".

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Observe the general rules of industrial fire protection
Take precautionary measures against build-up of electrostatic charges, e.g earthing during loading and off-loading operations.
Dust may form explosive mixture in air.
Keep away sources of ignition.
Electrical equipment should be protected to the appropriate standard.

Advice on safe handling : Handle and open container with care.
Avoid dust formation.
Avoid dust accumulation in enclosed space.
Provide adequate ventilation.

Conditions for safe storage : Keep only in the original container.
Keep container tightly closed.

Further information on storage conditions : Keep containers tightly closed in a dry, cool and well-ventilated place.
Keep away sources of ignition.

Materials to avoid : No conditions to be specially mentioned.

Further information on storage stability : no data available

Substance key: 000000709546

Revision Date: 01/31/2020

Version : 2 - 2 / USA

Date of printing :04/21/2020

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

Engineering measures : A system of local and/or general exhaust is recommended where employee exposures are at or above Occupational Exposure Limits (OEL).

Personal protective equipment

Respiratory protection : Wear NIOSH approved particulate filtering respirator rated N, R, or P95 or 100 or equivalent in the absence of proper environmental control. Type of respirator depends on level of exposure.

Hand protection
Remarks : Butyl Rubber, PVC Or Neoprene.

Eye protection : Safety glasses with side-shields

Skin and body protection : Wear protective clothing, including long sleeves and gloves, to prevent skin contact.

Protective measures : Observe the usual precautions for handling chemicals.
Do not breathe dust.

Hygiene measures : Wash hands before breaks and at the end of workday.
Use protective skin cream before handling the product.
Take off immediately all contaminated clothing and wash it before reuse.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : micropowder

Colour : white

Odour : not specified

Odour Threshold : not available

pH : 5.5 (70 °F / 21 °C)
Method: CIPAC MT-75. 1970

Melting point : 172 °F / 78 °C
Method: DSC

Boiling point : Not applicable

CERIDUST 1060 VITA

Page 5

Substance key: 000000709546

Revision Date: 01/31/2020

Version : 2 - 2 / USA

Date of printing :04/21/2020

Flash point	:	404.6 °F / 207.0 °C
Evaporation rate	:	Not applicable
Flammability (solid, gas)	:	The product is not flammable.
Self-ignition	:	Method: Expert judgement The substance or mixture is not classified as pyrophoric. The product melts below 160 °C. Therefore, no further testing of self-heating properties is required.
Burning number	:	2 (68 °F / 20 °C) Method: VDI 2263-1 Short flaring up without spreading 2 (212 °F / 100 °C) Method: VDI 2263, ESCIS: Volume 1, with the addition of 20% SiO ₂ . VDI is The Union of German Engineers. ESCIS is The Safety Commission of the Swiss Chemical Industry Short flaring up without spreading
Upper explosion limit / upper flammability limit	:	not available
Lower explosion limit / Lower flammability limit	:	not available
Vapour pressure	:	Not applicable
Relative vapour density	:	Not applicable
Relative density	:	not available
Density	:	ca. 0.988 g/cm ³ (73 °F / 23 °C) Method: ISO 1183
Bulk density	:	no data available
Solubility(ies) Water solubility	:	< 1 mg/l insoluble
Partition coefficient: n-octanol/water	:	log Pow: 0.08 - 9.29
Auto-ignition temperature	:	734 °F / 390 °C
Decomposition temperature	:	691 °F / 366 °C Method: DSC The substance or mixture is not classified self-reactive.
Viscosity Viscosity, dynamic	:	Not applicable

CERIDUST 1060 VITA

Page 6

Substance key: 000000709546

Revision Date: 01/31/2020

Version : 2 - 2 / USA

Date of printing :04/21/2020

Viscosity, kinematic	:	Not applicable
Flow time	:	Not applicable
Explosive properties	:	Not explosive Method: Expert judgement
Oxidizing properties	:	The substance or mixture is not classified as oxidizing. Method: Expert judgement The product does not contain organic peroxide-groups which result from either the manufacturing process or from added ingredients.
Surface tension	:	57.8 mN/m, 68 °F / 20 °C
Dust deflagration index (Kst)	:	113 m.b_/s
Dust explosion class	:	ST1 Capable of dust explosion
Minimum ignition energy	:	< 1 mJ Method: DIN EN 13821 with inductive electrical resistance < 1 mJ Method: DIN EN 13821 without inductive electrical resistance
Particle size	:	ca. 12 µm Median value
Particle Size Distribution	:	D50 = 12 µm Measurement method: ISO 13320 Measurement technique: laser diffraction

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No dangerous reaction known under conditions of normal use. The substance or mixture does not emit flammable gases in contact with water. Not corrosive to metals No decomposition if used as directed.
Conditions to avoid	:	Keep away from open flames, hot surfaces and sources of ignition. Keep away from heat.
Incompatible materials	:	no data available

CERIDUST 1060 VITA

Page 7

Substance key: 000000709546

Revision Date: 01/31/2020

Version : 2 - 2 / USA

Date of printing :04/21/2020

Hazardous decomposition products : When handled and stored appropriately, no dangerous decomposition products are known

SECTION 11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Skin contact
Eye contact
Inhalation

Acute toxicity**Product:**

Acute oral toxicity : LD50 (Rat, female): > 2,000 mg/kg
Method: OECD Test Guideline 423
GLP: yes
Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity : Remarks: no data available

Acute dermal toxicity : Remarks: no data available

Skin corrosion/irritation**Product:**

Species: reconstructed human epidermis (RhE)
Exposure time: 15 min
Method: OECD Test Guideline 439
Result: No skin irritation
GLP: yes

Serious eye damage/eye irritation**Product:**

Species: Bovine cornea
Result: No eye irritation
Exposure time: 4 h
Method: OECD Test Guideline 437
GLP: yes

Respiratory or skin sensitisation**Product:**

Test Type: Mouse local lymphnode assay
Exposure routes: Dermal
Species: Mouse
Method: OECD Test Guideline 429
Result: Not a skin sensitizer.
GLP: yes

Substance key: 000000709546

Revision Date: 01/31/2020

Version : 2 - 2 / USA

Date of printing :04/21/2020

Germ cell mutagenicity**Product:**

Genotoxicity in vitro : Test Type: Ames test
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative
GLP: yes

Germ cell mutagenicity - Assessment : In vitro tests did not show mutagenic effects

Carcinogenicity**Product:**

Carcinogenicity - Assessment : No information available.

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**Product:**

Reproductive toxicity - Assessment : No information available.

STOT - single exposure**Product:**

Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure**Product:**

Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity**Product:**

Remarks: no data available

Substance key: 000000709546

Revision Date: 01/31/2020

Version : 2 - 2 / USA

Date of printing :04/21/2020

Aspiration toxicity**Product:**

no data available

Experience with human exposure**Product:**

General Information : The possible symptoms known are those derived from the labelling (see section 2).

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:**

Toxicity to fish

:

Remarks: no data available

Toxicity to daphnia and other aquatic invertebrates

:

EC50 (Daphnia magna (Water flea)): > 100 mg/l

End point: Immobilization

Exposure time: 48 h

Test Type: static test

Method: OECD Test Guideline 202

GLP: yes

Remarks: The details of the toxic effect relate to the nominal concentration.

Toxicity to algae/aquatic plants

:

NOEC (Pseudokirchneriella subcapitata (green algae)): 31.6 mg/l

Exposure time: 72 h

Test Type: static test

Analytical monitoring: yes

Method: Other

GLP: yes

EC50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l

End point: Growth rate

Exposure time: 72 h

Test Type: static test

Method: OECD Test Guideline 201

GLP: yes

Toxicity to fish (Chronic toxicity)

:

Remarks: no data available

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)

:

Remarks: no data available

Substance key: 000000709546

Revision Date: 01/31/2020

Version : 2 - 2 / USA

Date of printing :04/21/2020

Toxicity to soil dwelling organisms : NOEC (Eisenia fetida (earthworms)): 1,000 mg/kg
Exposure time: 14 d
Method: OECD Test Guideline 207
GLP: yes

Persistence and degradability**Product:**

Biodegradability : Test Type: aerobic
Inoculum: activated sludge
Concentration: 16 mg/l
Result: Not readily biodegradable.
Biodegradation: 25 % (Carbon dioxide (CO₂))
Exposure time: 28 d
Method: OECD Test Guideline 301B
GLP: yes

Test Type: aerobic
Inoculum: Soil
Biodegradation: 90.5 % (Carbon dioxide (CO₂))
Exposure time: 390 d
Method: ISO 17556

Bioaccumulative potential

no data available

Mobility in soil

no data available

Other adverse effects**Product:**

Additional ecological information : no data available

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

RCRA - Resource Conservation and Recovery Authorization Act Waste Code : No -- Not as sold.
: NONE

Waste from residues : Product should be taken to a suitable and authorized waste disposal site in accordance with relevant regulations and if necessary after consultation with the waste disposal operator and/or the competent Authorities

Contaminated packaging : Packaging that cannot be cleaned should be disposed of as product waste

Substance key: 000000709546

Revision Date: 01/31/2020

Version : 2 - 2 / USA

Date of printing :04/21/2020

SECTION 14. TRANSPORT INFORMATION

DOT	not restricted
IATA	not restricted
IMDG	not restricted

SECTION 15. REGULATORY INFORMATION**EPCRA - Emergency Planning and Community Right-to-Know Act****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 : Combustible dust

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 Water Act

Contains no known priority pollutants at concentrations greater than 0.1%.

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

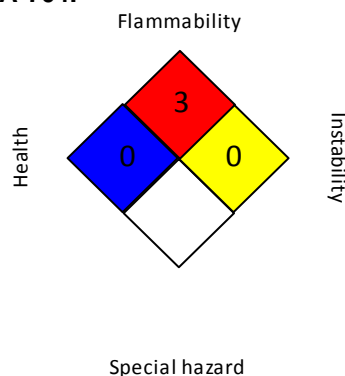
TSCA : All components are compliant with the TSCA Inventory Notification (Active) rule.

Substance key: 000000709546

Revision Date: 01/31/2020

Version : 2 - 2 / USA

Date of printing :04/21/2020

SECTION 16. OTHER INFORMATION**Further information****NFPA 704:****Full text of other abbreviations**

AICS - Australian Inventory of Chemical Substances; 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; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations

Substance key: 000000709546

Revision Date: 01/31/2020

Version : 2 - 2 / USA

Date of printing :04/21/2020

Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Observe national and local legal requirements

Revision Date : 01/31/2020

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