

CERIDUST 3610

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Date of printing :07/18/2022

SECTION 1. IDENTIFICATION

Identification of the company:	Clariant Plastics & Coatings (Deutschland) GmbH Frankfurt am Main, 65926 Telephone No.: +49 69 305 18000
	Information of the substance/preparation: Product Stewardship, +1-704-331-7710
	Emergency tel. number: +1 800-424-9300 CHEMTREC

Trade name: CERIDUST 3610
Material number: 161483
CAS number: 9002-88-4
Chemical family: Polyethylene 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

No hazards to be specially mentioned.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance
Substance name : Polyethylene
CAS-No. : 9002-88-4

Components

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

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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 : If conscious, give the victim plenty of water to drink.
Consult a physician.
Never give anything by mouth to an unconscious person.
- 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 mist
Foam
Dry powder
Carbon dioxide (CO₂)
- Unsuitable extinguishing media : Water spray jet
- Specific hazards during firefighting : None known.
- Further information : Wear suitable protective equipment.
- Special protective equipment for firefighters : Wear personal protective equipment.
In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

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- Personal precautions, protective equipment and emergency procedures : Wear suitable protective equipment. Collect into suitable container. Electrical grounding of equipment is required when handling powder to prevent possible dust explosion.
- 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

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Take precautionary measures against build-up of electrostatic charges, e.g earthing during loading and off-loading operations. Keep away sources of ignition. Dust can form an explosive mixture in air.
- Advice on safe handling : Store at temperatures less than 40 C (104 F).
- Further information on storage conditions : Store in original container. Keep container tightly closed. Store in a cool, dry, well-ventilated area.

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 : Wear safety glasses with side shields or goggles.
- Skin and body protection : Wear protective clothing, including long sleeves and gloves, to prevent skin contact.

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- Protective measures : When working with hot material, avoid contact with skin.
- Hygiene measures : Wash hands before breaks and at the end of workday.
When using do not eat, drink or smoke.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : fine powder
- Colour : white
- Odour : no data available
- Odour Threshold : no data available
- pH : Not applicable
- Drop point : approx. 262 °F / 128 °C
Method: ASTM D 3954-94
- Boiling point : Not applicable
- Flash point : > 347 °F / > 175 °C
Method: ASTM D 92 (closed cup)
- Evaporation rate : no data available
- Flammability (solid, gas) : not determined
- 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, ESCIS, Vol. 1
GLP: no
Short flaring up without spreading
- 2 (212 °F / 100 °C)
Method: VDI 2263, ESCIS, Vol. 1
GLP: no
Short flaring up without spreading
- 2 (68 °F / 20 °C)
Method: VDI 2263, ESCIS: Volume 1, with the addition of 20% SiO₂. VDI is The Union of German Engineers. ESCIS is The Safety Commission of the Swiss Chemical Industry

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	GLP: no
	Short flaring up without spreading
Upper explosion limit / upper flammability limit	: no data available
Lower explosion limit / Lower flammability limit	: no data available
Vapour pressure	: Not applicable
Relative vapour density	: no data available
Relative density	: no data available
Density	: approx. 0.97 g/cm ³ (73 °F / 23 °C) Method: ISO 1183
Solubility(ies)	
Water solubility	: insoluble (68 °F / 20 °C)
Partition coefficient: n-octanol/water	: no data available
Decomposition temperature	: No decomposition if used as directed.
Viscosity	
Viscosity, dynamic	: not tested.
Viscosity, kinematic	: not tested.
Explosive properties	: Not explosive Not explosive Method: Expert judgement
Oxidizing properties	: Method: Expert judgement not oxidizing The product does not contain organic peroxide-groups which result from either the manufacturing process or from added ingredients.
Surface tension	: Based on chemical structure, no surface activity is expected or can be predicted.
Dust deflagration index (Kst)	: 80 m.b_/s
Dust explosion class	: ST1 Capable of dust explosion
Metal corrosion rate	: Not corrosive to metals
Minimum ignition energy	: < 1 mJ Method: VDI 2263 "Dust fires and explosions; Danger, Evaluation, Protection measures"

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with inductive electrical resistance

< 1 mJ

Method: VDI 2263 "Dust fires and explosions; Danger, Evaluation, Protection measures"
without inductive electrical resistance

Particle size : approximately 5 µm
Method: Laser diffraction with dispersion in dry air.
Median value

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Stable

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : Risk of dust explosion.
The substance or mixture does not emit flammable gases in contact with water.
Not corrosive to metals

Conditions to avoid : Keep away from heat and sources of ignition.

Incompatible materials : no data available

Hazardous decomposition products : No hazardous decomposition products if stored and handled as prescribed

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

Eye contact
Skin contact
Inhalation

Acute toxicity**Product:**

Acute oral toxicity : Assessment: The substance or mixture has no acute oral toxicity
Remarks: no data available

Acute inhalation toxicity : Assessment: The substance or mixture has no acute inhalation toxicity
Remarks: no data available

Acute dermal toxicity : Assessment: The substance or mixture has no acute dermal toxicity
Remarks: no data available

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Skin corrosion/irritation**Product:**

Result: No skin irritation

Result: Product dust may be irritating to eyes, skin and respiratory system.

Remarks: Pellets may cause skin irritation.

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

Result: No eye irritation

Result: Product dust may be irritating to eyes, skin and respiratory system.

Respiratory or skin sensitisation**Product:**

Exposure routes: Skin contact

Result: Not a skin sensitizer.

Germ cell mutagenicity**Product:**

Germ cell mutagenicity - Assessment : Contains no ingredient listed as a mutagen

Carcinogenicity**Product:**

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

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 reproductive toxicity to be expected.
No teratogenic effects to be expected.

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STOT - single exposure**Product:**

Remarks: Not applicable

STOT - repeated exposure**Product:**

Remarks: Not applicable

Repeated dose toxicity**Product:**

Remarks: This information is not available.

Aspiration toxicity**Product:**

No aspiration toxicity classification

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 : Remarks: no data availableToxicity to algae/aquatic :
plants : Remarks: no data availableToxicity to fish (Chronic :
toxicity) : Remarks: not requiredToxicity to daphnia and other :
aquatic invertebrates : Remarks: not required
(Chronic toxicity)**Persistence and degradability****Product:**

Biodegradability : Result: Not biodegradable

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Remarks: The polymer is too large to be bioavailable.
Not applicable

Bioaccumulative potential

no data available

Mobility in soil

no data available

Other adverse effects**Product:**

Environmental fate and pathways : Remarks: no data available

Additional ecological information : Product is insoluble in water
Harmful effects to fish and bacteria: not harmful
May be separated mechanically in waste water plants.

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

RCRA - Resource Conservation and Recovery Act : This product, if discarded as sold, is not a Federal RCRA hazardous waste.

Waste Code : NONE

Waste from residues : Dispose of spilled or waste product, contaminated soil and other contaminated materials in licensed landfill or treatment facility in accordance with all local, state, and federal regulations.

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

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.

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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

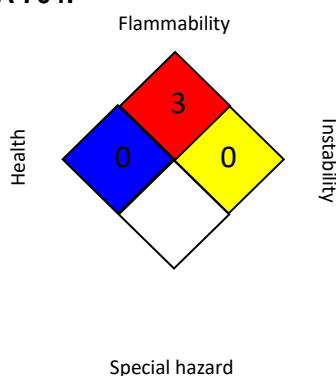
SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Water Act

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

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

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

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

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

Observe all necessary precautions for handling powders as fine powder. May present dust explosion hazard.

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