

# SAFETY DATA SHEET



**Ceridust 3620**

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Substance key: SXR073592

Revision Date: 09/11/2025

Version : 7 - 1 / USA

Date of printing :10/31/2025

## SECTION 1. IDENTIFICATION

<b>Identification of the company:</b>	Clariant Corporation 500 East Morehead Street Charlotte, NC, 28202 Telephone No.: +1 704 331 7000
	<b>Information of the substance/preparation:</b> Product Stewardship, +1-704-331-7710 e-mail: SDS.NORAM@clariant.com
	<b>Emergency tel. number:</b> +1 800-424-9300 CHEMTREC

**Trade name:** Ceridust 3620  
**Material number:** 105197  
**CAS number:** 9002-88-4  
**Primary product use:** Industrial use  
**Chemical family:** Polyethylene wax

## SECTION 2. HAZARDS IDENTIFICATION

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

**Hazards for the product as supplied**

Combustible dust

**Other hazards**

No additional hazards are known except those derived from the labelling.

**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.  
P233 Keep container tightly closed.  
P243 Take action to prevent static discharges.  
Prevent dust accumulations to minimize explosion hazard.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

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Substance name : Polyethylene wax

CAS-No. : 9002-88-4

## Components

This product does not contain any components that require disclosure according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

## SECTION 4. FIRST AID MEASURES

- General advice : Get medical advice/ attention if you feel unwell.  
Do not leave the victim unattended.
- If inhaled : Move to fresh air.  
If unconscious, place in recovery position and seek medical advice.  
Never give anything by mouth to an unconscious person.  
Get immediate medical advice/ attention.
- Give oxygen or artificial respiration if needed.
- In case of skin contact : If on skin, rinse well with water.  
If on clothes, remove clothes.  
If skin irritation occurs, seek medical advice/attention.
- In case of eye contact : Immediately flush eye(s) with plenty of water.  
If easy to do, remove contact lens, if worn.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Rinse mouth with water.  
Do NOT induce vomiting.  
Never give anything by mouth to an unconscious person.  
Obtain medical attention.
- Most important symptoms and effects, both acute and delayed : The possible health hazards known are those derived from the labelling (see corresponding section) and/or provided in this section.  
The possible symptoms known are those derived from the labelling (see section 2).
- Notes to physician : Treat symptomatically.

## SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray jet  
Alcohol-resistant foam  
Dry powder

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Carbon dioxide (CO<sub>2</sub>)

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : High volume water jet

Hazardous combustion products : Carbon oxides  
Hydrocarbons

Further information : In the event of fire and/or explosion do not breathe fumes.  
Do not allow run-off from fire fighting to enter drains or water courses.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment for firefighters : Wear full protective clothing and self-contained breathing apparatus.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures : Avoid contact with skin, eyes and clothing.  
Ensure adequate ventilation.  
Evacuate personnel to safe areas.  
Remove all sources of ignition.  
Use personal protective equipment.  
Refer to protective measures listed in sections 7 and 8.  
Avoid breathing dust.  
Avoid dust formation.  
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 : Avoid dust formation.  
Non-sparking tools should be used.  
Take measures to prevent the build up of electrostatic charge.  
Sweep up and shovel into suitable containers for disposal.  
Clean contaminated surface thoroughly.  
Treat recovered material as described in the section "Disposal considerations".

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**SECTION 7. HANDLING AND STORAGE**

Advice on protection against fire and explosion : Keep away from heat and sources of ignition.  
Observe the general rules of industrial fire protection

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Take precautionary measures against build-up of electrostatic charges, e.g earthing during loading and off-loading operations.

Dust can form an explosive mixture in air.

Electrical equipment should be protected to the appropriate standard.

Cool endangered containers with water spray jet.

- Advice on safe handling : Use only with adequate ventilation/personal protection.  
For personal protection see section 8.  
Avoid contact with skin, eyes and clothing.  
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Avoid dust formation.  
Take measures to prevent the build up of electrostatic charge.  
Ensure all equipment is electrically grounded before beginning transfer operations.  
Use only non-sparking tools.
- Conditions for safe storage : Keep containers tightly closed in a dry, cool and well-ventilated place.  
Handle and open container with care.  
Keep away from sources of ignition - No smoking.
- Materials to avoid : When used and handled as intended, none.
- Further information on storage stability : Stable under recommended storage conditions.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

- Engineering measures** : Use adequate exhaust ventilation and/or dust collection to keep dust levels below exposure limits.

### Personal protective equipment

- Respiratory protection : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

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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.
Protective measures	: Observe the usual precautions for handling chemicals. Avoid breathing dust or vapour.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice. Use protective skin cream before handling the product. Wash hands before breaks and at the end of workday. 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 determined
pH	: Not applicable
Drop point	: approx. 266 °F / 130 °C Method: ASTM D 3954-94
Boiling point	: not determined
Flash point	: approx. 500 °F / 260 °C  Method: DIN 51758
Evaporation rate	: Not applicable
Flammability (solid, gas)	: does not ignite
Self-ignition	: The substance or mixture is not classified as pyrophoric. The substance or mixture is not classified as self heating.
Burning number	: 2 (68 °F / 20 °C)

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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% SiO<sub>2</sub>. VDI is The Union of German Engineers. ESCIS is The Safety Commission of the Swiss Chemical Industry

GLP: no

Short flaring up without spreading

Upper explosion limit / upper flammability limit : Not applicable

Lower explosion limit / Lower flammability limit : Not applicable

Vapour pressure : Not applicable

Relative vapour density : Not applicable

Density : approx. 0.97 g/cm<sup>3</sup> (73 °F / 23 °C)  
Method: ISO 1183

Solubility(ies)  
Water solubility : < 1 mg/l insoluble (68 °F / 20 °C)

Partition coefficient: n-octanol/water : not determined

Auto-ignition temperature : 752 °F / 400 °C  
Dust

Decomposition temperature : No decomposition if used as directed.

The substance or mixture is not classified self-reactive.

Viscosity  
Viscosity, dynamic : approx. 400 mPa.s (284 °F / 140 °C)  
Method: DIN 53019

Viscosity, kinematic : Not applicable

Explosive properties : Not explosive  
Method: Expert judgement

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Oxidizing properties	:	The substance or mixture is not classified as oxidizing. The product does not contain organic peroxide-groups which result from either the manufacturing process or from added ingredients.
Dust deflagration index (Kst)	:	197 m.b_/s
Dust explosion class	:	St1
Metal corrosion rate	:	no data available
Minimum ignition energy	:	1 - 3 mJ Method: DIN EN 13821 without inductive electrical resistance
Particle Size Distribution	:	D50 = 8 µm Measurement method: ISO 13320 Measurement technique: laser diffraction

## SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable
Possibility of hazardous reactions	:	Dust can form an explosive mixture in air. Stable
Conditions to avoid	:	None known.
Incompatible materials	:	none
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  
Ingestion  
Inhalation

### Acute toxicity

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

### Product:

Acute oral toxicity	:	LD50 (Rat, male and female): > 2,000 mg/kg Method: OECD Test Guideline 423
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GLP: yes

Assessment: The substance or mixture has no acute oral toxicity

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

## **Skin corrosion/irritation**

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

### **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**

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

### **Product:**

Species : rabbit eye  
Result : No eye irritation  
Exposure time : 24 h  
Assessment : non-irritant  
Method : FDA guideline  
GLP : no

## **Respiratory or skin sensitisation**

### **Skin sensitisation**

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

### **Respiratory sensitisation**

Not classified

### **Product:**

Test Type : Mouse local lymphnode assay  
Species : Mouse  
Assessment : Does not cause skin sensitisation.  
Method : OECD Test Guideline 429  
Result : Does not cause skin sensitisation.  
GLP : yes

## **Germ cell mutagenicity**

Not classified



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**Product:**

Genotoxicity in vitro : Test Type: Ames test  
Test system: Salmonella typhimurium  
Concentration: 5000 mg/plate  
Metabolic activation: with and without metabolic activation  
Method: Ames test  
Result: Negative with and without metabolic activation  
GLP: yes

Germ cell mutagenicity - Assessment : Not mutagenic in Ames Test

**Carcinogenicity**

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

**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**

Not classified

**Product:**

Reproductive toxicity - Assessment : No information available.

**STOT - single exposure**

Not classified

**Product:**

Remarks : no data available

**STOT - repeated exposure**

Not classified

**Product:**

Remarks : no data available

**Repeated dose toxicity**

**Product:**

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Remarks : This information is not available.

## **Aspiration toxicity**

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

### **Product:**

no data available

## **Experience with human exposure**

### **Product:**

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

## **Further information**

### **Product:**

Remarks : According to experience, the product is considered to be harmless to health if used in the correct manner

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## **SECTION 12. ECOLOGICAL INFORMATION**

### **Ecotoxicity**

#### **Product:**

Toxicity to fish : Remarks: The product has not been tested. Because of the product's consistency and lack of solubility in water bioavailability is not likely.

Toxicity to daphnia and other aquatic invertebrates : Remarks: The product has not been tested. Because of the product's consistency and lack of solubility in water bioavailability is not likely.

Toxicity to algae/aquatic plants : Remarks: The product has not been tested. Because of the product's consistency and lack of solubility in water bioavailability is not likely.

Toxicity to fish (Chronic toxicity) : Remarks: not required

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Remarks: not required

### **Persistence and degradability**

#### **Product:**

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

## **Bioaccumulative potential**

no data available

## **Mobility in soil**

### **Product:**

Distribution among : Remarks: The product is insoluble and floats on water.  
environmental compartments

## **Other adverse effects**

### **Product:**

Environmental fate and : Remarks: no data available  
pathways

## **SECTION 13. DISPOSAL CONSIDERATIONS**

### **Disposal methods**

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

## **SECTION 14. TRANSPORT INFORMATION**

DOT not restricted  
IATA not restricted  
IMDG not restricted

## **SECTION 15. REGULATORY INFORMATION**

### **CERCLA Reportable Quantity**

Listed substances in the product are at low enough levels to not be expected to exceed the 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 Air Act**

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 I 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

## **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.

DSL : All components of this product are on the Canadian DSL

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## **SECTION 16. OTHER INFORMATION**

### **Further information**

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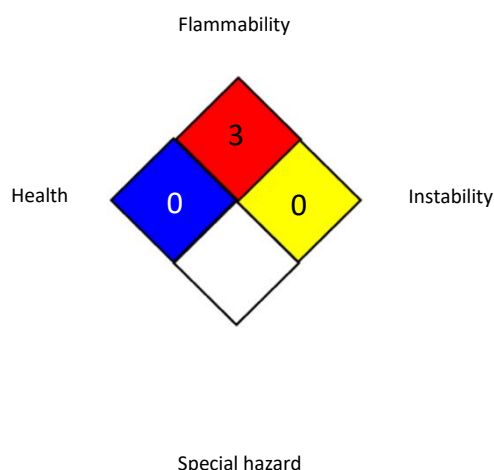
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## NFPA 704:



## 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 Harmonised 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 Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; 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 - Organisation 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

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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

Observe national and local legal requirements

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

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