

## LICOWAX C MICROP PM

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Substance key: SXR021344

Revision Date: 08/25/2022

Version : 3 - 5 / USA

Date of printing :09/16/2022

## 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  
e-mail: SDS.NORAM@clariant.com

**Emergency tel. number:** +1 800-424-9300 CHEMTREC**Trade name:** LICOWAX C MICROP PM**Material number:** 107075**CAS number:** 110-30-5**Primary product use:** Additive**Chemical family:** Bissteauroylethylenediamide

## SECTION 2. HAZARDS IDENTIFICATION

**GHS classification in accordance with the OSHA Hazard Communication Standard (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 additional hazards are known except those derived from the labelling.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

Substance name : Bissteauroylethylenediamide

CAS-No. : 110-30-5

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**Components**

| Chemical name               | CAS-No.  | Concentration (% w/w) |
|-----------------------------|----------|-----------------------|
| N,N'-Ethylenedi(stearamide) | 110-30-5 | >= 90 - <= 100        |

Actual concentration is withheld as a trade secret

**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 with soap and water. Contact physician if irritation or other symptoms occur. If hot wax strikes skin, drench or immerse the area in water to assist cooling. Do not remove wax from a burn after it cools. Consult a physician.
- In case of eye contact : Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
- If swallowed : If swallowed, DO NOT induce vomiting.  
Do not give anything to drink.  
Call a physician immediately.
- 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 : None known.

**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Water mist  
Foam  
Dry powder  
Carbon dioxide (CO<sub>2</sub>)
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Avoid dust formation.  
Take measures to prevent the build up of electrostatic charge.
- Further information : Firefighters should wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. Use water spray to cool exposed containers. Avoid use of a direct full pressure stream of water as molten

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wax may be spread to ignition sources or carry fire to other flammable materials. Use a water fog or foam to control fire.

Special protective equipment : Self-contained breathing apparatus  
for firefighters Wear personal protective equipment.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

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

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**SECTION 7. HANDLING AND STORAGE**

Advice on protection against fire and explosion : Keep away sources of ignition.  
Dust may form explosive mixture in air.  
Electrical equipment should be protected to the appropriate standard.

Take measures to prevent the build up of electrostatic charge.

Observe the general rules of industrial fire protection

The product is a fine dust. Consequently, the product and/or its packaging material can become electrostatically charged during emptying of the package, or processing of the product. Therefore, when handling such materials in areas where the existence of an explosive atmosphere cannot be completely excluded, it is necessary to take strict precautions to prevent explosions caused by electrostatic charging or discharging. This requirement applies also to the use or processing of products which are themselves not flammable. The regulations and references of the German BG Guideline 132 on the avoidance of danger of ignition due to electrostatic charges, and those of national regulations of other countries must be considered. The actual measures taken should depend on the processing operations, the conditions of the surrounding area, and the accepted safety procedures of the plant handling the product.

Advice on safe handling : Avoid dust formation. Keep away from sources of ignition.  
Lead off electrostatic charges.  
Avoid inhalation, ingestion and contact with skin and eyes.  
Wash thoroughly after handling.

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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**

| Components                  | CAS-No.  | Value type<br>(Form of exposure)       | Control parameters /<br>Permissible concentration | Basis |
|-----------------------------|----------|----------------------------------------|---------------------------------------------------|-------|
| N,N'-Ethylenedi(stearamide) | 110-30-5 | TWA<br>(Inhalable particulate matter)  | 10 mg/m3                                          | ACGIH |
|                             |          | TWA<br>(Respirable particulate matter) | 3 mg/m3                                           | ACGIH |

**Engineering measures** : Ensure adequate ventilation, especially in confined areas.

Local ventilation recommended - mechanical ventilation may be used.

**Personal protective equipment**

Respiratory protection : Use NIOSH/MSHA approved respirators following manufacturer's recommendations where dust or fume may be generated.

Hand protection  
Remarks : Nitrile rubber gloves.

Eye protection : Safety glasses or chemical splash goggles.

Skin and body protection : Wear suitable protective equipment.

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.  
Use protective skin cream before handling the product.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : fine powder

Colour : white

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|                                                  |                                                                                                                                                                                                                                                  |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Odour                                            | : not specified                                                                                                                                                                                                                                  |
| Odour Threshold                                  | : not determined                                                                                                                                                                                                                                 |
| pH                                               | : Not applicable                                                                                                                                                                                                                                 |
| Drop point                                       | : approx. 288 °F / 142 °C<br>Method: DIN/ISO 2176                                                                                                                                                                                                |
| Melting point                                    | 291 °F / 144 °C<br>Method: DSC                                                                                                                                                                                                                   |
| Boiling point                                    | : Decomposes below the boiling point.                                                                                                                                                                                                            |
| Flash point                                      | : Not applicable                                                                                                                                                                                                                                 |
| Evaporation rate                                 | : not determined                                                                                                                                                                                                                                 |
| Flammability (solid, gas)                        | : not determined                                                                                                                                                                                                                                 |
| Self-ignition                                    | : Method: Expert judgement<br>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                                   | : not tested.                                                                                                                                                                                                                                    |
| Upper explosion limit / upper flammability limit | : Not applicable                                                                                                                                                                                                                                 |
| Lower explosion limit / Lower flammability limit | : Not applicable                                                                                                                                                                                                                                 |
| Vapour pressure                                  | : 0.000023 Pa (68 °F / 20 °C)<br>Method: OECD Test Guideline 104<br>GLP: yes<br><br>0.000042 Pa (77 °F / 25 °C)<br>Method: OECD Test Guideline 104<br>GLP: yes<br><br>0.00062 Pa (122 °F / 50 °C)<br>Method: OECD Test Guideline 104<br>GLP: yes |
| Relative vapour density                          | : Not applicable                                                                                                                                                                                                                                 |
| Density                                          | : approx. 1.00 g/cm <sup>3</sup> (73 °F / 23 °C)<br>Method: ISO 1183                                                                                                                                                                             |

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|                                        |                                                                                                                                                                   |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Solubility(ies)                        |                                                                                                                                                                   |
| Water solubility                       | : insoluble (68 °F / 20 °C)                                                                                                                                       |
| Partition coefficient: n-octanol/water | : Not applicable                                                                                                                                                  |
| Auto-ignition temperature              | : not tested.                                                                                                                                                     |
| Decomposition temperature              | : > 392 °F / > 200 °C<br>Method: DTA<br>No decomposition if used as directed.                                                                                     |
| Viscosity                              |                                                                                                                                                                   |
| Viscosity, dynamic                     | : approx. 10 mPa.s (302 °F / 150 °C)<br>Method: DIN 53019                                                                                                         |
| Viscosity, kinematic                   | : Not applicable                                                                                                                                                  |
| Explosive properties                   | : no data available                                                                                                                                               |
| Dust deflagration index (Kst)          | : 342 m.b_/s<br>Method: EN 14034                                                                                                                                  |
| Dust explosion class                   | : St3                                                                                                                                                             |
| Minimum ignition energy                | : < 1 mJ<br>Method: Mike 3 apparatus<br>with inductive electrical resistance<br><br>< 1 mJ<br>Method: Mike 3 apparatus<br>without inductive electrical resistance |
| Particle size                          | : approximately 15.1 µm<br>Method: Laser diffraction with dispersion in dry air.<br>Median value                                                                  |

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**SECTION 10. STABILITY AND REACTIVITY**

|                                    |                                                                                                                                       |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                         | : No dangerous reaction known under conditions of normal use.                                                                         |
| Chemical stability                 | : Stable                                                                                                                              |
| Possibility of hazardous reactions | : Risk of dust explosion.<br>The substance or mixture does not emit flammable gases in contact with water.<br>Not corrosive to metals |
| Conditions to avoid                | : None known.                                                                                                                         |

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Incompatible materials : no data available

Hazardous decomposition products : Possible in traces:  
Nitrogen oxides (NOx)

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

Eye contact  
Skin contact  
Inhalation

**Acute toxicity****Product:**

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat, male and female): > 6.3 mg/l  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rabbit, male and female): > 2,000 mg/kg  
Method: OECD Test Guideline 402  
Assessment: The substance or mixture has no acute dermal toxicity

**Components:****N,N'-Ethylenedi(stearamide):**

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat, male and female): > 6.3 mg/l  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rabbit, male and female): > 2,000 mg/kg  
Method: OECD Test Guideline 402  
Assessment: The substance or mixture has no acute dermal toxicity

**Skin corrosion/irritation****Product:**

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : No skin irritation

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**Components:****N,N'-Ethylenedi(stearamide):**

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : No skin irritation

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

Species : Rabbit  
Result : No eye irritation  
Method : OECD Test Guideline 405

**Components:****N,N'-Ethylenedi(stearamide):**

Species : Rabbit  
Result : No eye irritation  
Method : OECD Test Guideline 405

**Respiratory or skin sensitisation****Product:**

Species : Mouse  
Method : OECD Test Guideline 429  
Result : Not a skin sensitizer.

**Components:****N,N'-Ethylenedi(stearamide):**

Species : Mouse  
Method : OECD Test Guideline 429  
Result : Not a skin sensitizer.

**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

Test Type: Chromosome aberration test in vitro  
Test system: Chinese hamster lung cells  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 473  
Result: negative

Test Type: Mammalian cell gene mutation assay  
Test system: mouse lymphoma cells

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Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 476  
Result: negative

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

**Components:****N,N'-Ethylenedi(stearamide):**

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

Test Type: Chromosome aberration test in vitro  
Test system: Chinese hamster lung cells  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 473  
Result: negative

Test Type: Mammalian cell gene mutation assay  
Test system: mouse lymphoma cells  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 476  
Result: negative

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

**Carcinogenicity****Product:**

Carcinogenicity - Assessment : No information available.

**Components:****N,N'-Ethylenedi(stearamide):**

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.

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**Reproductive toxicity****Product:**

Effects on foetal development : Test Type: Pre-natal  
Species: Rat  
Strain: Sprague-Dawley  
Application Route: oral (gavage)  
General Toxicity Maternal: NOAEL:  $\geq$  1,000 mg/kg body weight  
Method: OECD Test Guideline 414

Reproductive toxicity - Assessment : No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

**Components:****N,N'-Ethylenedi(stearamide):**

Effects on foetal development : Test Type: Pre-natal  
Species: Rat  
Strain: Sprague-Dawley  
Application Route: oral (gavage)  
General Toxicity Maternal: NOAEL:  $\geq$  1,000 mg/kg body weight  
Method: OECD Test Guideline 414

Reproductive toxicity - Assessment : No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

**STOT - single exposure****Product:**

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

**Components:****N,N'-Ethylenedi(stearamide):**

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.

**Components:****N,N'-Ethylenedi(stearamide):**

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

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**Repeated dose toxicity****Product:**

Species : Rat, male and female  
NOEL :  $\geq 1000$  mg/kg bw/day  
Application Route : oral (gavage)  
Method : OECD Test Guideline 408

**Components:****N,N'-Ethylenedi(stearamide):**

Species : Rat, male and female  
NOEL :  $\geq 1000$  mg/kg bw/day  
Application Route : oral (gavage)  
Method : OECD Test Guideline 408

**Aspiration toxicity****Product:**

no data available

**Components:****N,N'-Ethylenedi(stearamide):**

no data available

**Experience with human exposure****Product:**

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

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

Toxicity to fish : LC50 (*Oryzias latipes* (Orange-red killifish)): 0.027 mg/l  
End point: mortality  
Exposure time: 96 h  
Method: OECD Test Guideline 203  
Remarks: No toxicity at the limit of solubility

Toxicity to daphnia and other : EC50 (*Daphnia magna* (Water flea)): 0.0022 mg/l  
aquatic invertebrates  
Exposure time: 48 h  
Test Type: semi-static test  
Method: OECD Test Guideline 202  
Remarks: No toxicity at the limit of solubility

Toxicity to algae/aquatic : NOEC (*Pseudokirchneriella subcapitata* (algae)): 0.053 mg/l  
plants  
Exposure time: 72 h  
Method: OECD Test Guideline 201

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Remarks: No toxicity at the limit of solubility

Toxicity to fish (Chronic toxicity) : Remarks: no data available

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EC50 (Daphnia magna (Water flea)): 0.0056 mg/l  
Exposure time: 21 d  
Method: OECD Test Guideline 211  
Remarks: No toxicity at the limit of solubility

Toxicity to microorganisms : EC50 (activated sludge): > 1,000 mg/l  
Exposure time: 3 h  
Test Type: static test  
Method: OECD Test Guideline 209

Toxicity to soil dwelling organisms : NOEC (Eisenia fetida (earthworms)): >= 1,000 mg/kg  
Exposure time: 56 d  
Method: OECD Test Guideline 222

Sediment toxicity : NOEC: >= 1000 mg/kg dry weight (d.w.)  
Test Type: static test  
Sediment: Artificial sediment  
Exposure duration: 28 d  
Method: OECD Test Guideline 218

**Components:****N,N'-Ethylenedi(stearamide):**

Toxicity to fish : LC50 (Oryzias latipes (Orange-red killifish)): 0.027 mg/l  
End point: mortality  
Exposure time: 96 h  
Method: OECD Test Guideline 203  
Remarks: No toxicity at the limit of solubility

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.0022 mg/l  
Exposure time: 48 h  
Test Type: semi-static test  
Method: OECD Test Guideline 202  
Remarks: No toxicity at the limit of solubility

Toxicity to algae/aquatic plants : NOEC (Pseudokirchneriella subcapitata (algae)): 0.053 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
Remarks: No toxicity at the limit of solubility

Toxicity to fish (Chronic toxicity) : Remarks: no data available

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EC50 (Daphnia magna (Water flea)): 0.0056 mg/l  
Exposure time: 21 d  
Method: OECD Test Guideline 211  
Remarks: No toxicity at the limit of solubility

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- Toxicity to microorganisms : EC50 (activated sludge): > 1,000 mg/l  
Exposure time: 3 h  
Test Type: static test  
Method: OECD Test Guideline 209
- Toxicity to soil dwelling organisms : NOEC (Eisenia fetida (earthworms)): >= 1,000 mg/kg  
Exposure time: 56 d  
Method: OECD Test Guideline 222
- Sediment toxicity : NOEC: >= 1000 mg/kg dry weight (d.w.)  
Test Type: static test  
Sediment: Artificial sediment  
Exposure duration: 28 d  
Method: OECD Test Guideline 218

**Persistence and degradability****Product:**

- Biodegradability : Test Type: aerobic  
Inoculum: activated sludge  
Result: Not readily biodegradable.  
Biodegradation: 5.5 % (Carbon dioxide (CO<sub>2</sub>))  
Exposure time: 28 d  
Method: OECD Test Guideline 301B

**Components:****N,N'-Ethylenedi(stearamide):**

- Biodegradability : aerobic  
Inoculum: activated sludge  
Carbon dioxide (CO<sub>2</sub>)  
Result: Not readily biodegradable.  
Biodegradation: 5.5 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301B

**Bioaccumulative potential****Product:**

- Bioaccumulation : Remarks: Bioaccumulation is unlikely.

**Components:****N,N'-Ethylenedi(stearamide):**

- Bioaccumulation : Remarks: Bioaccumulation is unlikely.
- Partition coefficient: n-octanol/water : Remarks: Not applicable

**Mobility in soil****Product:**

# SAFETY DATA SHEET



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Distribution among environmental compartments : log Koc: 8.6 - 8.91  
Method: calculated

### Components:

#### **N,N'-Ethylenedi(stearamide):**

Distribution among environmental compartments : log Koc: 8.6 - 8.91  
Method: calculated

### **Other adverse effects**

#### Product:

Additional ecological information : no data available

### Components:

#### **N,N'-Ethylenedi(stearamide):**

Results of PBT and vPvB assessment : The substance is not identified as a PBT or as a vPvB substance.

## SECTION 13. DISPOSAL CONSIDERATIONS

### **Disposal methods**

RCRA - Resource Conservation and Recovery Authorization 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

### **CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

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**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 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 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.

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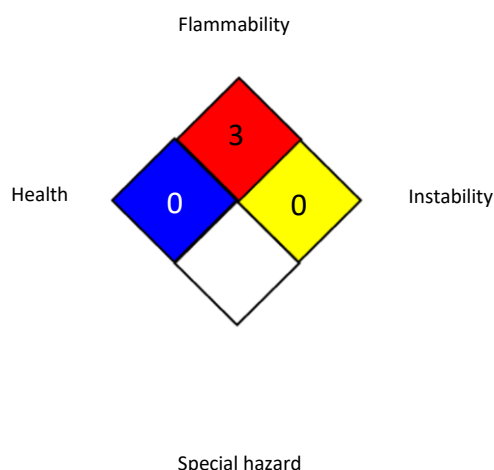
**SECTION 16. OTHER INFORMATION****Further information**

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**NFPA 704:****Full text of other abbreviations**

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
ACGIH / TWA : 8-hour, time-weighted average

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 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

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Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; 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

On the basis of an extensive test program, which had to be submitted to the competent authority on the occasion of the Notification of the substance in the European Community, this product was found to be toxicologically not dangerous within the meaning of the EC Directives.

Handle with care. Organic dusts have the potential to be explosive with static spark or flame initiation.

Revision Date : 08/25/2022

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