

## LICOCARE RBW 106 FL TP

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## SECTION 1. IDENTIFICATION

**Identification of the company:**

Clariant Plastics & Coating USA LLC  
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:** LICOCARE RBW 106 FL TP  
**Material number:** 272313  
**CAS number:** 1883583-80-9  
**Primary product use:** Industrial use  
**Chemical family:** Polar modified Rice Bran 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 additional hazards are known except those derived from the labelling.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance  
Substance name : Polar modified Rice Bran Wax  
CAS-No. : 1883583-80-9

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**Hazardous 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 : Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or 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 : No symptoms known currently.  
No hazards known at this time.
- Notes to physician : Treat symptomatically.

**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Foam  
Water spray jet  
Dry powder
- Unsuitable extinguishing media : High volume water jet  
Carbon dioxide (CO<sub>2</sub>)
- 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**

- Personal precautions, : Wear suitable protective equipment.

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protective equipment and  
emergency procedures

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".

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## 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 may form explosive mixture in air.  
Electrical equipment should be protected to the appropriate standard.

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.

Use personal protective equipment.  
Avoid breathing dust.  
Avoid contact with skin and eyes.  
Wash thoroughly after handling.  
Store in a dry place.  
Keep away from heat.  
Store in original container.  
Keep container tightly closed.

Technical  
measures/Precautions : Store in original container.  
Keep container tightly closed.  
Store in a cool, dry, well-ventilated area.

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## 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 : Use NIOSH/MSHA approved respirators following

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manufacturer's recommendations where dust or fume may be generated.

Hand protection

Remarks

: Butyl Rubber, PVC Or Neoprene.

Eye protection

: Safety glasses or chemical splash goggles.

Skin and body protection

: Wear suitable protective equipment.

Protective measures

: Observe the usual precautions for handling chemicals.

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.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance

: flakes

Colour

: white

Odour

: not specified

Odour Threshold

: no data available

pH

: cannot be determined

Drop point

: ca. 74 °C  
Method: DIN/ISO 2176

Flash point

: no data available

Flammability (solid, gas)

: does not ignite  
Method: Flammability (solids)

Self-ignition

: no data available

Burning number

: 1  
Does not catch fireUpper explosion limit / upper  
flammability limit

: no data available

Lower explosion limit / Lower  
flammability limit

: no data available

Vapour pressure

: < 0.0001 Pa (20 °C)  
Method: OECD Test Guideline 104  
GLP: no

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Relative vapour density	:	no data available
Density	:	ca. 1.01 g/cm <sup>3</sup> (23 °C) Method: ISO 1183
Bulk density	:	no data available
Solubility(ies) Water solubility	:	< 1 g/l Method: OECD Test Guideline 105
Partition coefficient: n- octanol/water	:	log Pow: -0.29 - 37.21 Method: estimated GLP: no
Decomposition temperature	:	273 °C Method: DTA
Viscosity Viscosity, dynamic	:	approx. 30 mPa.s (100 °C) Method: DIN 53019
Viscosity, kinematic	:	no data available
Explosive properties	:	no data available
Surface tension	:	no data available

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**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	No dangerous reaction known under conditions of normal use. Stable
Conditions to avoid	:	Keep away from heat and sources of ignition.
Incompatible materials	:	none
Hazardous decomposition products	:	When handled and stored appropriately, no dangerous decomposition products are known

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

None known.

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

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

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

**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:**

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Carcinogenicity - Assessment : No information available.

**IARC** Not listed

**OSHA** Not listed

**NTP** Not listed

### 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

### 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).

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

**Product:**

Toxicity to fish :  
Remarks: no data available

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- 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 : 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

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

- Biodegradability : Test Type: aerobic  
Inoculum: activated sludge  
Concentration: 16 mg/l  
Result: Not readily biodegradable.  
Biodegradation: 25 % (Carbon dioxide (CO<sub>2</sub>))  
Exposure time: 28 d  
Method: OECD Test Guideline 301B  
GLP: yes

**Bioaccumulative potential**

no data available

**Mobility in soil**

no data available

**Other adverse effects**

no data available



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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

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

Waste from residues : Small quantities may be treated in aerobic wastewater treatment systems. Larger quantities may be incinerated or landfilled after solidification in permitted systems.

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

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**SECTION 14. TRANSPORT INFORMATION**

DOT not restricted

IATA not restricted

IMDG not restricted

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**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**

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 : One or more of the components of this product is not listed on the Toxic Substances Control Act (TSCA ) Inventory. The product is thus sold under the restriction that it is only for use in research and development. This product must be used

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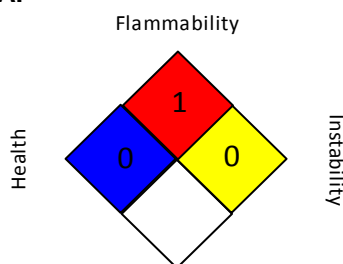
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under the supervision of a technically qualified individual capable of understanding its potential hazards.

**TSCA list**

TSCA - 5(a) Significant New Use Rule List of Chemicals: No substances are subject to a Significant New Use Rule.

US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D): No substances are subject to TSCA 12(b) export notification requirements.

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

Special hazard.

**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

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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

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.

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