

SAFETY DATA SHEET



LICOCARE RBW 360 P VITA

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Substance key: 000000829512

Revision Date: 07/10/2025

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Date of printing :07/22/2025

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: LICOCARE RBW 360 P VITA

Material number: 317060

CAS number: 1850357-57-1

Chemical family: Renewable 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

Dust can form an explosive mixture in air.

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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CAS-No. : 1850357-57-1

Components

This material is not considered hazardous by the 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
Carbon dioxide (CO₂)

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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

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.

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.

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".

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. 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.

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- 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.
- Hand protection
Remarks : Long-term exposure Impervious butyl rubber gloves Minimum thickness (glove): not determined With solid dry substances

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permeation is not to be expected, therefore the breakthrough-time for this protective glove has not been measured.

For short-term exposure (splash protection): Nitrile rubber gloves. Minimum thickness (glove): not determined Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). These types of protective gloves are offered by various manufacturers. Please note the manufacturers' detailed statements, especially about the minimum thickness and the minimum breakthrough time. Consider also the particular working conditions under which the gloves are being used.

- 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 : powder
- Colour : yellow
- Odour : not specified
- Odour Threshold : Not applicable
- pH : Not applicable
- Melting point : 176 °F / 80 °C
Method: DSC
- Boiling point : Not applicable
- Flammability (solid, gas) : not determined

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Self-ignition	: Method: Expert judgement The substance or mixture is not classified as pyrophoric. The substance or mixture is not classified as self heating. ≥ 428 °F / ≥ 220 °C Method: VDI 2263 (Grewer)
Upper explosion limit / upper flammability limit	: Does not apply to solids.
Lower explosion limit / Lower flammability limit	: Does not apply to solids.
Density	: ca. 1.03 g/cm ³ (73 °F / 23 °C) Method: ISO 1183
Solubility(ies) Water solubility	: < 1 mg/l insoluble
Partition coefficient: n-octanol/water	: no data available
Decomposition temperature	: The substance or mixture is not classified self-reactive.
Viscosity Viscosity, dynamic	: not tested.
Viscosity, kinematic	: Does not apply to solids.
Explosive properties	: Not explosive Method: Expert judgement GLP: no
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.
Dust explosion class	: St1
Metal corrosion rate	: Not corrosive to metals
Particle size	: < 800 µm

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
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Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	The substance or mixture does not emit flammable gases in contact with water. Not corrosive to metals
Conditions to avoid	:	None
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, female): > 5,000 mg/kg Method: OECD Test Guideline 423
Acute inhalation toxicity	:	Remarks: no data available
Acute dermal toxicity	:	Remarks: no data available

Skin corrosion/irritation

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

Product:

Species	:	human skin
Method	:	OECD Test Guideline 439
Result	:	No skin irritation
GLP	:	yes
Species	:	Rabbit
Method	:	OECD Test Guideline 404
Result	:	No 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

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Method : OECD Test Guideline 405
GLP : yes

Species : cattle
Result : No eye irritation
Method : OECD Test Guideline 437

Respiratory or skin sensitisation**Skin sensitisation**

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

Respiratory sensitisation

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

Product:

Test Type : Local lymph node assay (LLNA)
Species : Mouse
Method : OECD Test Guideline 429
Result : Not a skin sensitizer.

Germ cell mutagenicity

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

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: Human lymphocytes
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 473
Result: negative

Test Type: In vitro mammalian cell gene mutation test
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 476
Result: negative

Genotoxicity in vivo : Test Type: Micronucleus test
Species: Mouse (male and female)
Cell type: Bone marrow
Application Route: oral (gavage)
Method: OECD Test Guideline 474
Result: negative
GLP: yes

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Carcinogenicity

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

Product:

Remarks : no data 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

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

Product:

Effects on fertility : Test Type: reproductive and developmental toxicity study
Species: Rat, male and female
Strain: Sprague-Dawley
Application Route: oral (gavage)
Dose: 100, 300, 1000 mg/kg b/w
General Toxicity - Parent: NOAEL: > 1,000 mg/kg body weight
General Toxicity F1: > 1,000 mg/kg body weight
Method: OECD Test Guideline 421
GLP: yes

STOT - single exposure

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

Product:

Remarks : no data available

STOT - repeated exposure

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

Product:

Remarks : no data available

Repeated dose toxicity

Product:

Species : Rat, male and female
NOAEL : 1,000 mg/kg
Application Route : oral (gavage)
Exposure time : 90 d
Dose : 100, 300, 1000 mg/kg body weight
Method : OECD Test Guideline 408

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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).

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

- Toxicity to fish : LC50 (Gobiocypris rarus (rare gudgeon)): > 100 mg/l
Exposure time: 96 h
Test Type: semi-static test
Method: OECD Test Guideline 203
GLP: yes
Remarks: No toxicity at the limit of solubility
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l
End point: Immobilization
Exposure time: 48 h
Test Type: semi-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 (Raphidocelis subcapitata (freshwater green alga)): > 100 mg/l
End point: Growth rate
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201
GLP: yes
Remarks: The details of the toxic effect relate to the nominal concentration.
- EC10 (Raphidocelis subcapitata (freshwater green alga)): > 100 mg/l
End point: Growth rate
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201
GLP: yes

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

- Toxicity to fish (Chronic toxicity) : NOEC: 100 mg/l
Exposure time: 34 d
Method: OECD Test Guideline 210
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 15 mg/l
Exposure time: 21 d
Method: OECD Test Guideline 211
Remarks: no data available
- Toxicity to microorganisms : NOEC (activated sludge): $\geq 1,000$ mg/l
Test Type: Respiration inhibition
Method: OECD Test Guideline 209
GLP: yes
- Toxicity to soil dwelling organisms : Test Type: artificial soil
NOEC (Eisenia fetida (earthworms)): 1,000 mg/kg
Exposure time: 14 d
Method: OECD Test Guideline 207
GLP: yes

Persistence and degradability

Product:

- Biodegradability : Inoculum: activated sludge
Result: Readily biodegradable.
Biodegradation: 71.1 % (Carbon dioxide (CO₂))
Exposure time: 28 d
Method: OECD Test Guideline 301B
GLP: yes
Remarks: The 10 day time window criterion is fulfilled.

Bioaccumulative potential

no data available

Mobility in soil

Product:

- Distribution among environmental compartments : Remarks: Not applicable

Other adverse effects

no data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

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

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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

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 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.

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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

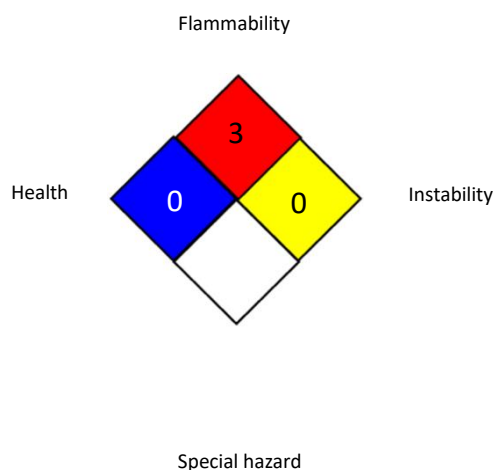
The components of this product are reported in the following inventories:

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

SECTION 16. OTHER INFORMATION

Further information

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

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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 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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