

Safety Data Sheet - CARBOFEN[®] 6060

Revision Date: 22-Nov-2018

SECTION 1. PRODUCT IDENTIFICATION

Product Identifier

Product Type: Dark Resin

Trade Names: Carbofen[®] 6060

DISTRIBUTED BY: R.E. CARROLL, INC.

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Relevant Identified Uses of the Substance

Plasticizer and entraining agent for concrete, cement and mortar.

Anionic bitumen asphalt emulsifier for SS-1 and SS-1H emulsions for paving, micro surfacing, sealing and pavement rejuvenation applications.

Adhesives, sealants and cold welds.

Flexographic inks and coatings.

Foundry molds and core washes.

Binder in paperboard and composition board.

Details of the Supplier of the Substance

Manufacturer:

Polytrade Indústria e Comércio Ltda.

Avenida República Argentina, 1237 – Sala 901 - Água Verde

Curitiba-PR / Brazil. Zip: 80620-010

+55 (41) 4042-8888

Emergency Telephone Number

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SECTION 2. HAZARD(S) IDENTIFICATION

2.1 Classification of Substance

CLP/GHS Classification (1272/2008):

Health Hazards

May cause allergic skin reactions

May cause heavy eye damage

Physical Hazards

Inhalation and skin contact are expected to be primary routes of occupational exposure. Dust may cause slight eye irritation or mechanical injury. Dust may cause slight skin irritation.

Environmental Hazards

Avoid dispersion into municipal water or river courses. Avoid dispersion into the air.

2.2 Label Elements:



GHS07

Labeling according to EC directives 67/548/EEC

Signal Word: Warning

2.3 Other Hazards:



Combustible Dust

Signal Word: Warning

Safety Data Sheet - CARBOFEN® 6060

Revision Date: 22-Nov-2018

SECTION 3. COMPOSITIONS / INFORMATION ON INGREDIENTS

Substance	CAS No./ EC Number	%	CLP/GHS Classification (1272/2008)
Dark Resin	65997-04-8	100%	Skin Sensibility: 1; H317 Eye damage: 1; H 318

SECTION 4. FIRST AID MEASURES

4.1 Description of First Aid Measures

First Aid Measures General: If you feel unwell, seek medical advice.

First Aid Measures After Inhalation: Expose person to fresh air.

First Aid Measures After Skin Contact: Wash with water and soap.

First Aid Measures After Eye Contact: Wash with plenty of water for particle removal.

First Aid Measures After Ingestion: Rinse mouth. Do not induce vomiting. Obtain medical attention.

4.2 Most Important Symptoms and Effects Both Acute and Delayed:

Symptoms/Injuries: Inhalation and skin contact are expected to be primary routes of occupational exposure.

Symptoms/Injuries After Inhalation: Dust may cause sneezing and slight nose irritation.

Symptoms/Injuries After Skin Contact: Dust may cause slight skin irritation.

Symptoms/Injuries After Eye Contact: Dust may cause slight eye irritation with eye redness and/or mechanical injury.

Symptoms/Injuries After Ingestion: May cause indigestion. Seek medical attention.

Chronic Symptoms: None known.

4.6 Indication of Any Immediate Medical Attention and Special Treatment Needed:

Immediate medical attention is not required. But if exposed or concerned, seek medical advice.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable mean: Water is recommended.

Unsuitable mean: Not determined.

5.2 Special Hazards Arising from the Substance:

Fire Hazard: Dust is flammable when finely divided & suspended in air at a temperature higher than 400 °C (752 °F).

Explosion Hazard: None.

Reactivity: Not Applicable.

5.3 Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers. Remove containers from fire area if this can be done without risk. In case of major fire and large quantities: evacuate area. Do not breathe fumes from fires.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. No extra special protective equipment required.

Hazardous Combustion Products: Thermal decomposition produces carbon oxides (CO, CO₂).

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Personal Protection: See 8.3

Safety Data Sheet - CARBOFEN® 6060

Revision Date: 22-Nov-2018

6.2 Environmental Precautions:

Avoid dispersion into municipal water or river courses. Avoid dispersion into the air.

6.2 Methods and Material for Containment and Cleaning Up:

For Containment: Prevent further leakage or spillage if safe to do so.

Methods for Clean up: Clean up spills in a manner that does not disperse dust into the air. Handle in accordance with good industrial hygiene and safety practices.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

Advice for Safe Handling: Avoid dispersion of dust into the air. Keep containers dry and closed.

7.2 Conditions for Safe Storage, Including Any Incompatibilities:

Storage Conditions: Keep away from temperatures above 35 °C (95 °F), direct sunlight, ignition sources and incompatible materials. Store in dry, cool and well-ventilated place. Keep container closed when not in use. Store locked up.

Materials for packaging: Paper bags or Big Bag.

Incompatible materials: Acids. Flame, heat and electric discharge.

SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Exposure Controls

Appropriate engineering controls: Emergency eye wash fountains and safety showers would be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation in confined areas. Proper grounding procedures to avoid static electricity should be followed. Ensure all national/regional regulations are observed. Investigate engineering techniques to reduce exposures to dust.

Hand Protection: Wear protective gloves.

Eye Protection: Use safety goggles.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory protection: Use respiratory protection equipment for dust.

Other information: When using, do not eat, drink or smoke.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Appearance (at 20 °C / 68 °C):	Powder
Odor:	Pine characteristic odor
Color:	Amber / reddish brown color
pH value:	N. A.
Boiling point/boiling range:	N. A.
Melting point/melting range:	85 °C to 100 °C (185 °F – 212 °F)
Flash point:	268 °C (546.8 °F)
Auto-ignition point:	N.A.
Explosion limits:	N. A.
Vapor pressure (at 20 °C / 68 °C):	N. A.
Relative density (at 20 °C / 68 °C):	1.020 g/mL
Water solubility:	Insoluble
Soluble in:	Acetone, Ethanol
Relative vapor density:	N. A.
Saturation concentration:	N. A.
Viscosity:	N. A.
Minimum Cloud Ignition Temperature (EHT16066/RWL)	400 °C (752 °F)
Median particle size	125 to 250 µm

Safety Data Sheet - CARBOFEN® 6060

Revision Date: 22-Nov-2018

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity: Not reactive under normal conditions.

10.2 Chemical Stability: Stable under recommended storage conditions.

10.3 Possibility of Hazardous Reactions: None under normal processing.

10.4 Conditions to Avoid: Avoid dust, keep away of open flames, sparks, smoking, static electricity, electrical discharges and incompatible materials.

10.5 Incompatible Materials: Acids. Flame, heat and electric discharge.

10.6 Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced. But product combustion can release irritating gases, smoke and carbon dioxides.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Acute Toxicity: Not classified

Dark Resin (68201-59-2)

LD50 Dermal Rat	Result > 2,000 mg/kg	Remark: Very low order of toxicity
LD50 Ingestion Rat	Result > 2,000 mg/kg	Remark: Very low order of toxicity

Skin Corrosion/Irritation: No evidence of harmful effects.

Serious Eye Damage/Irritation: No evidence of harmful effects.

Respiratory or Skin Sensitization: Test results on guinea pigs did not produce sensitization.

Germ Cell Mutagenicity: Not classified.

Carcinogenicity: Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Reproductive Toxicity: Not classified.

11.2 Information on Physical, Chemical and Toxicological Effects

Symptoms/injuries: Please refer to Section 4 of this SDS for symptoms.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Ecology – General: Not Classified

LC50 Fish	38.5 mg/L (Exposure time: 96 hrs – Species: Zebra Fish)
NOEC Fish	16.6 mg/L (Exposure time: 96 hrs – Species: Zebra Fish)
EC50 Daphnia	143.6 mg/L WAF (Exposure time: 48 hrs – Species: Daphnia similis)

12.2 Persistence and Degradability: Not determined.

12.3 Bioaccumulative Potential: Not determined.

12.4 Mobility in Soil: Not determined.

12.5 Other Adverse Effects: Avoid Release in the Environment

SECTION 13. WASTE DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Waste Disposal Recommendations:

Dispose of contents/container in accordance with local, regional, national and international regulations.

Additional Information:

Packaging must be emptied of its contents and be disposed of properly in accordance with the legal requirements. Paper bags and big bags can be recycled.

Safety Data Sheet - CARBOFEN® 6060

Revision Date: 22-Nov-2018

SECTION 14. TRANSPORT INFORMATION

The shipping descriptions stated herein were prepared in accordance with certain assumptions at the time the SDS was authorized and can vary based on a number of variables that may or may not have been known at the time the SDS was issued. Note: Please see current BL for most up to date information, including exemptions and exceptional circumstances.

12.1 Substance identification number (UN number): Not Applicable.

12.2 Transport by road/rail (ADR/RID): Not dangerous.

12.3 Maritime transport (IMDG code): Not dangerous.

12.4 Inland navigation (ADNR): Not dangerous.

12.5 Air freight (ICAO): Not dangerous.

SECTION 15. REGULATORY INFORMATION

15.1 International Inventories

	TSCA	DSL / NDSL	EINECS / ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Dark Resin	Present	Present	X		X	Present		X

Legend:

TSCA: United States Toxic Substances Control Act Section 8 (b) Inventory

DSL / NDSL: Canadian Domestic Substances List / Non-Domestic Substances List

EINECS / ELINCS: European Inventory Chemical Substances

ENCS: Japan Existing and New Chemical Substances

IECSC: China Inventory of Existing Chemical Substances

KECL: Korean Existing and Evaluated Chemical Substances

PICCS: Philippines Inventory of Chemicals and Chemical Substances

AICS: Australian Inventory of Chemical Substances

EU regulations: Directive 96/82 / EC on the control of major-accident hazards involving dangerous substances (Störfall-Verordnung). Comment Annex I, part 1 + 2: not mentioned. For any resulting decomposition products see chapter 10.

Germany National Regulations: Water hazard class, Class 1. Identification No. 5085. Source Classification according to Annex 3.

15.2 US Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

California Proposition 65

This product does not contain any Proposition 65 chemicals.

SECTION 16. OTHER INFORMATION, INCLUDING DATE OF LAST REVISION

Data sources used to create the datasheet:

EC Directive 67/548 / EC or 99/45 / EC as amended.

Regulation (EC) No. 1907/2006 (REACH), 1272/2008 (CLP), as amended.

EC Directives 2000/39 / EC, 2006/15 / EC, 2009/161 / EC

Transport regulations according to ADR, RID, IMDG, IATA in the currently valid version.

Revision Date: 12/Nov/2018 – Note: New formatting, in compliance with GHS.

Last Revision Date: 22/Nov/2018 – Note: Addition of Minimum Cloud Ignition Temperature.

Disclaimer: This information is based on the current state of our knowledge and experience. The safety data sheet describes products with regard to health, safety and environmental requirements only. It should not therefore be constructed as guaranteeing any specific property of the product.