



Material Safety Data Sheet

POLYTRADE
Rua Nunes Machado, 3233 – Parolin
Curitiba – PR CEP: 80220-071 Brazil
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Polytrade.com.br

Version 03- Date 01/11/2011

Carbofen[®] 7070

Company/undertaking identification Polytrade Indústria e Comércio Ltda.
Rua Nunes Machado 3233 - Parolin
CEP: 80220-071
Curitiba - PR – Brazil

Telephone number for emergency: +55 (41) 3268-3521

1. PRODUCT IDENTIFICATION

Product Name: Carbofen[®] 7070
Chemical/Common Name: Dark Resin
CAS: 65997-04-8

2. COMPOSITION OF SUBSTANCE

Ingredient	CAS Number	Conc. In %	Hazard Classif.	Risk (R-phrases)
Dark Resin	65997-04-8			

3. HAZARDS IDENTIFICATION

- 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.

4. FIRST AID MEASURES

- Eye contact: Wash with plenty of water for particle removal;
- Skin contact: Wash with water and soap;
- After inhalation: Expose person to fresh air;
- After ingestion: NA.

5. FIRE FIGHTING MEASURES

- Suitable mean: Water is recommended;
- Unsuitable mean: None;
- Instructions: Flammable dust when finely divided and suspended in the air;
- Special protective equipment for firefighters: None.



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6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal protection: see 8.3;
- 6.2 Environmental precautions: Avoid dispersion into municipal water or river courses. Avoid dispersion into the air;
- 6.3 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.

7. HANDLING AND STORAGE

- 7.1 Handling: Avoid dispersion of dust into the air - keep containers dry and closed;
- 7.2 Storage: Store in normal conditions not above 35 °C;
- 7.3 Materials for packaging: Paper bags.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Recommended engineering controls: Investigate engineering techniques to reduce exposures to dust, provide ventilation if necessary;
- 8.2 TLV value: N.E.;
- 8.3 Personal protection:
 - 8.3.1 Eye protection: Used safety glasses. Wash with plenty of water for particles removal;
 - 8.3.2 Skin protection: Wash skin after handling;
 - 8.3.3 Respiratory protection: Use respiratory protection equipment for dust.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (at 20 ° C):	Powder
Odor:	Pine characteristics odor
Color:	Amber color
pH value:	N. A.
Boiling point/boiling range:	N. A.
Melting point/melting range:	90°C to 110°C
Flash point:	268 °C
Auto-ignition point:	N.E.
Explosion limits:	N. A.
Vapor pressure (at 20 ° C):	N. A.
Relative density (at 20 ° C):	N. A.
Water solubility:	N. A.
Soluble in:	Acetone, Ethanol
Relative vapor density:	N. A.
Saturation concentration:	N. A.
Viscosity:	N. A.



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10. STABILITY AND REACTIVITY

10.1 Stability: Stable;

10.2 Reactivity: Avoid dust, formation and keep away of open flames, sparks, smoking, static electricity and electrical discharges.

11. TOXICOLOGICAL INFORMATION

11.1 Acute toxicity: LD 50 oral rat: N.E. mg/Kg
LD 50 dermal rat: N.E. mg/Kg
LD 50-inhalation rat: N.E. mg/l/4h

11.2 Routes of exposure: N.E.

11.3 Acute effects/symptoms: N.E.

11.4 Chronic effect: N.E.

12. ECOLOGICAL INFORMATION

12.1 Biodegradation:

12.1.1 Soil: T1/25 N.E. days
BOD N.E. g O₂/g substances
COD N.E. g O₂/g substances

12.1.2 Water: N.E.

12.2 Bioaccumulation: log Pow: N.E.

12.3 Aquatic toxicity:

12.3.1 LC50 (96h): N.E. MG/L (LEPOMIS MACROCHIRUS) (phenol)
EC 50 (48h): N.E. MG/L (DAPHNIA MAGNA) (phenol)
EC 50: N.E. MG/L (CHLORELLA SP.) (Phenol)

12.4 Other information: WGK

Waste water purification: No data is available

13. WASTE DISPOSAL CONSIDERATIONS

Dispose in accordance with local, state and federal regulations

13.1 Identification Number (UN Number):

13.1.1 Transport by railroad / road (ADR/RID): not dangerous.

13.1.2 Transport by sea (Boat/Vessel) (code IMDG): not dangerous.

13.1.3 Inland Navigation (ADNR): not dangerous.

13.1.4 Air freight (ICAO): not dangerous.



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14. TRANSPORT INFORMATION

- 14.1 Substance identification number (UN number):
- 14.2 Transport by road/rail (ADR/RID): Not dangerous.
- 14.3 Maritime transport (IMDG code): Not dangerous.
- 14.4 Inland navigation (ADNR): Not dangerous.
- 14.5 Air freight (ICAO): Not dangerous.

15. REGULATORY INFORMATION

Labeling according to EC directives 67/548/EEC.