



Material Safety Data Sheet

POLYTRADE

Rua Nunes Machado, 3233 – Parolin

Curitiba – PR CEP: 80220-071 Brazil

Phone : +55 (41) 3268-3521

Polytrade.com.br

Version 02- Date 01/11/2011

Carbofen[®] MBK

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[®] MBK
Chemical/Common Name: Dark Resin
CAS: 68201-59-2
EINECS: 269-227-2

2. COMPOSITION OF SUBSTANCE

Ingredient	CAS Number
Dark Resin	8050-28-0
Caustic Soda	
Water	

3. HAZARDS IDENTIFICATION

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

4. FIRST AID MEASURES

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

5. FIRE FIGHTING MEASURES

5.1 Suitable mean: Water is recommended;
5.2 Unsuitable mean: None;
5.3 Instructions: Water based product, it will not burn. However, water, spray, dry chemical foam or Carbon Dioxide may be used on fires involving this product;
5.4 Special protective equipment for firefighters: None.



Material Safety Data Sheet

POLYTRADE
Rua Nunes Machado, 3233 – Parolin
Curitiba – PR CEP: 80220-071 Brazil
Phone : +55 (41) 3268-3521
Polytrade.com.br

Version 02- Date 01/11/2011

Carbofen[®] MBK

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: Drums.

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: None.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (at 20 ° C):	Liquid
Odor:	Pine characteristics odor
Color:	Amber color
pH value:	10.5 - 11.0
Boiling point/boiling range:	N. A.
Melting point/melting range:	N. A.
Flash point:	N. A.
Auto-ignition point:	N. E.
Explosion limits:	N. A.
Vapor pressure (at 20 ° C):	N. A.
Density (at 20 ° C):	1.10 - 1.20
Water solubility:	N. A.
Soluble in:	Acetone, Ethanol
Relative vapor density:	N. A.
Saturation concentration:	N. A.
Viscosity:	N. A.



Material Safety Data Sheet

POLYTRADE
Rua Nunes Machado, 3233 – Parolin
Curitiba – PR CEP: 80220-071 Brazil
Phone : +55 (41) 3268-3521
Polytrade.com.br

Version 02- Date 01/11/2011

Carbofen[®] MBK

10. STABILITY AND REACTIVITY

- 10.1 Stability: Stable;
- 10.2 Reactivity: Avoid contact of the product with acids.

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.



Material Safety Data Sheet

POLYTRADE

Rua Nunes Machado, 3233 – Parolin

Curitiba – PR CEP: 80220-071 Brazil

Phone : +55 (41) 3268-3521

Polytrade.com.br

Version 02- Date 01/11/2011

Carbofen[®] MBK

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.

Reach Pre-registration No. 05-2114847896-27-0000