



Safety Data Sheet

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Section 1. Company and Product Identification

PRODUCT NAME: PE 50UTL BK MB

RECOMMENDED USE: Color or Additive Concentrate

RESTRICTIONS ON USE: For industrial processing only. **MEDICAL APPLICATION CAUTION:** RTP Company does not provide materials for use in any articles to be permanently implanted in the human body or to be permanently in contact with internal bodily fluids or tissues. Unless otherwise expressly agreed to in writing, RTP Company does not provide materials for use in articles to be briefly or temporarily implanted in the human body or to be in contact with internal bodily fluids or tissues.

SUPPLIED BY: RTP Company
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Section 2. Hazards Identification

GHS Classification

Not classified

Hazard Pictogram(s)

None

Signal Word

No Signal Word

Possible Hazards

Other hazards which do not result in classification

US OSHA HAZARD CATEGORY: Warning. May form combustible dust concentrations in air if small particles are generated during further processing, handling, machining, or by other means. Product, as shipped, is not a combustible dust. To reduce the risk for dust explosion do not permit dust to accumulate. If permitted to accumulate, these fines or dust can, under certain conditions, pose an explosion hazard.

Section 3. Composition/Information on Ingredients

CHEMICAL CHARACTERIZATION: Mixture. Polyethylene, PE.

<u>Chemical Name</u>	<u>SVHC</u>	<u>EC-No.</u>	<u>CAS-No.</u>	<u>Wt. %</u>	<u>GHS Symbols</u>	<u>GHS Statements</u>
Carbon Black	N	215-609-9	1333-86-4	25-50	No Information	No Information

The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section.

Section 4. First-aid Measures

DESCRIPTION OF FIRST AID MEASURES



FIRST AID - INHALATION: Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. Consult a physician if symptoms persist or exposure was severe.

FIRST AID - SKIN CONTACT: For thermal burns, immediately flush with cold water. Do not attempt to remove polymer from skin. Obtain medical attention. Wash off with soap and water.

FIRST AID - EYE CONTACT: If eye irritation persists, consult a specialist. Rinse with plenty of water.

FIRST AID - INGESTION: Clean mouth with water and drink plenty of water afterwards. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED: No Information

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED: No Information

Section 5. Fire-fighting Measures

EXTINGUISHING MEDIA: Dry Chemical, Water Fog, Carbon Dioxide, Alcohol Foam

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE: Mechanical handling can cause the formation of dusts. To reduce the risk for dust explosion do not permit dust to accumulate. If permitted to accumulate, these fines or dust can, under certain conditions, pose an explosion hazard. Every effort should be made to prevent suspension, concentration or accumulation of fines or dusts in, or around, material handling systems. Product, as shipped, is not a combustible dust. To reduce the risk for dust explosion, do not permit dust to accumulate. Minimize dust levels by vacuuming rather than cleaning by the use of compressed air. Toxic and irritating fumes may be given off during burning.

ADVICE FOR FIREFIGHTERS: Dry chemical and CO₂ are not generally recommended for large fires due to their lack of cooling capacity which may allow re-ignition. Do not use water jet. Persons exposed to products of combustion should wear an approved self contained breathing apparatus and full protective equipment.

Section 6. Accidental Release Measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: No Information

ENVIRONMENTAL PRECAUTIONS: Do not discharge into sewer or waterways.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP: Spilled pellets may cause a slipping hazard. Sweep area as needed. Wear an approved dust respirator if necessary. (NIOSH, or EN143/EN149).

Section 7. Handling and Storage



PRECAUTIONS FOR SAFE HANDLING: Product, as shipped, is not a combustible dust. Mechanical handling can cause the formation of dusts. To reduce the risk for dust explosion do not permit dust to accumulate. If permitted to accumulate, these fines or dust can, under certain conditions, pose an explosion hazard. Every effort should be made to prevent suspension, concentration or accumulation of fines or dusts in, or around, material handling systems. Minimize dust levels by vacuuming rather than cleaning by the use of compressed air. Ground all material handling and transfer equipment to dissipate build-up of static electricity. Proper purging and shut down procedures should be followed to avoid overheating of this compound.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES: Store in a dry, sprinkler equipped warehouse.

Section 8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

<u>Chemical Name</u>	<u>ACGIH TLV</u> <u>TWA</u>	<u>ACGIH TLV</u> <u>STEL</u>	<u>OSHA PEL</u> <u>TWA</u>	<u>OSHA PEL</u> <u>STEL</u>	<u>DFG MAK</u> <u>TWA</u>	<u>DFG MAK</u> <u>MEL</u>
Carbon Black	3.0 mg/m ³ ‡	NE	3.5 mg/m ³	NE	NE	NE

Further Advice: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation
Sk = Skin Sensitizer N.E. = Not Established STEL = Short Term Exposure Limit TWA = Time Weighted Average

Notes

‡ Inhalable fraction of the aerosol.

EXPOSURE CONTROLS

ENGINEERING CONTROLS: Use local exhaust to completely remove vapors and fumes generated during melt processing. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.



RESPIRATORY PROTECTION: An approved respirator is recommended for protection against processing fumes, or from dust generated from grinding, sanding, or sawing operations on molded parts. (NIOSH or EN143/149/14387).



SKIN PROTECTION: Canvas, cotton, or rubber gloves are recommended. Use heat resistant gloves when handling hot material.



EYE PROTECTION: Safety glasses with side shields are recommended.



OTHER PROTECTIVE EQUIPMENT: No Information



HYGIENIC PRACTICES: Eating, drinking and smoking in immediate work area should be prohibited.

Section 9. Physical and Chemical Properties

Appearance: Pellet / Granular
Physical State: Solid
Odor: No Information available
Odor Threshold: No Information available

pH: Not applicable
Freeze Point, °C: No Information available
Boiling Range, °C: Not Applicable
Flash Point, °C: Not Applicable

Evaporation Rate: Not applicable
Flammability: No Information available
Explosive Limits, %: Not Applicable
Vapor Pressure, mmHg: Not applicable

Vapor Density: Not applicable
Density, g/cm³: 1.2
Solubility in Water: No Information available

Partition Coefficient, n-octanol/water: Not applicable

Auto-Ignition Temperature, °C: Not Applicable

Decomposition Temperature, °C: No Information available

Viscosity: Not applicable

Section 10. Stability and Reactivity

REACTIVITY: No Information

CHEMICAL STABILITY: Stable at recommended storage conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: Hazardous polymerization will not occur.

CONDITIONS TO AVOID: Avoid temperatures above 316 °C (600 °F).

INCOMPATIBLE MATERIALS: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide. Nitrogen oxides, acrolein, formaldehyde, olefinic and paraffinic compounds, organic acids, ketones, aldehydes, and hydrocarbons.

Section 11. Toxicological Information

INFORMATION ON TOXICOLOGICAL EFFECTS

Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below:

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
1333-86-4 Carbon Black	>8000 mg/kg	N.I.	N.I.

N.I. = No Information

CARCINOGENICITY:

Chemical Name

Carbon Black

IARC-2B, Mak-3B

Route of exposure Inhalation

IARC-1	Carcinogenic to Humans
IARC-2A	Probably Carcinogenic to Humans
IARC-2B	Possibly Carcinogenic to Humans
IARC-3	Unclassifiable as to Carcinogenicity to Humans

SKIN CORROSION / IRRITATION: Based on available data, the classification criteria are not met.

SERIOUS EYE DAMAGE / IRRITATION: Based on available data, the classification criteria are not met.

RESPIRATORY OR SKIN SENSITIZATION: Based on available data, the classification criteria are not met.

GERM CELL MUTAGENICITY: Based on available data, the classification criteria are not met.

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

SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE: Based on available data, the classification criteria are not met.

SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE: Based on available data, the classification criteria are not met.

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

Practical Experiences

EFFECT OF OVEREXPOSURE - INHALATION: Processing fumes may cause irritation to the respiratory tract.

EFFECT OF OVEREXPOSURE - SKIN CONTACT: Pellets are not likely to cause irritation. Contact with molten material may cause thermal burns. Processing fumes may cause irritation.

EFFECT OF OVEREXPOSURE - EYE CONTACT: Processing fumes may cause irritation. Direct eye contact may cause irritation.

EFFECT OF OVEREXPOSURE - INGESTION: Not a probable route of exposure. Ingestion may cause gastric disturbances.

Section 12. Ecological Information

ECOLOGICAL INFORMATION: No specific ecological information is available. This material is considered to be non-biodegradable.

TOXICITY: No Information

PERSISTENCE AND DEGRADABILITY: No Information

BIOACCUMULATIVE POTENTIAL: No Information

MOBILITY IN SOIL: No Information

RESULTS OF PBT AND vPvB ASSESSMENT: No Information

OTHER ADVERSE EFFECTS: No Information

Section 13. Disposal Information

WASTE TREATMENT METHODS: The pellets, regrind, and purge of this material shall be re-used or recycled where possible. The pellets, regrind, and purge of this material are non-hazardous and may be discarded in accordance with federal, state, and local regulations.

Do not discharge into sewer or waterways.

Section 14. Transport Information

Road Transport

UN Number:	-
UN Proper Shipping Name:	-
Transport Hazard Class:	Not Regulated
Packing Group:	-
ADR/RID Class:	Not Regulated

Sea Transport

IMDG Class:	Not Regulated
Marine Pollutant:	-

Air Transport

ICAO/IATA Class:	Not Regulated
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ENVIRONMENTAL HAZARDS: No Information

SPECIAL TRANSPORT PRECAUTIONS: No Information

Section 15. Regulatory Information

U.S. Federal Regulations:

TSCA Inventory:

All ingredients are listed or exempt from listing on the TSCA 8b inventory.

CERCLA - SARA Hazard Category

Under the provisions of Title III, Sections 311/312 of Superfund Amendments and Reauthorizations Act (SARA) this product is classified into the hazards listed below:

None Known

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372:

No Sara 313 components exist in this product.

TSCA 12b:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

No TSCA 12b components exist in this product.

CALIFORNIA PROPOSITION 65 CARCINOGENS

This product does not contain any ingredients that require a label or other type of warning under California Proposition 65 as known to cause cancer. This information is based on our vendors' certificates, SDS's, or letters of compliance. However, RTP Company does not routinely analyze for these specific substances.

CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS

This product does not contain any ingredients that require a label or other type of warning under California Proposition 65 as known to cause birth defects or other reproductive harm. This information is based on our vendors' certificates, SDS's, or letters of compliance. However, RTP Company does not routinely analyze for these specific substances.

International Regulations: As follows -

CANADIAN WHMIS 2015:

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations and the SDS contains all the information required by the Hazardous Products Regulations.

EU REACH - SVHC (Substances of Very High Concern)

This product contains the following chemicals at a concentration above 0.1% that are on the Candidate List of Substances of Very High Concern (SVHC) published by the European Chemicals Agency (ECHA) — (updated 17 January 2022)

<https://echa.europa.eu/candidate-list-table>

None known.

Section 16. Other Information

Revision Date: Feb 11 2022
Supersedes Date: Jun 07 2021
Datasheet produced by: Regulatory Department
Reason for revision: Statement(s) Changed

HMIS Ratings:

Health:	0
Flammability:	1
Reactivity:	0
Personal Protection:	N.I.

Method used for hazard classifications: Calculation method for mixtures.

Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

Not applicable

Icons for GHS Pictograms shown in Section 3 describing each ingredient:

Not applicable

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

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US OSHA LABEL per 29 CFR §1910.1200(f)

<p>PE 50UTL BK MB</p> <p>Warning</p> <p>May form combustible dust concentrations in air if small particles are generated during further processing, handling, machining, or by other means.</p> <p>RTP Company 580 East Front Street Winona, MN 55987 USA www.rtpcompany.com 1-507-454-6900</p>
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