



Safety Data Sheet

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Europe
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Singapore
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China
+86 512-6283-8383

Section 1. Company and Product Identification

PRODUCT NAME: RTP 199 X 124477 H BLACK

RECOMMENDED USE: Injection Molding or Extrusion Compound

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

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. Polypropylene, PP.

| <u>Chemical Name</u> | <u>EC-No.</u> | <u>CAS-No.</u> | <u>Wt. %</u> | <u>GHS Symbols</u> | <u>GHS Statements</u> |
|--------------------------|---------------|----------------|--------------|--------------------|-----------------------|
| No hazardous items exist | | | | | |

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

No hazardous items exist

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: | 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: | No Information available |
| Evaporation Rate: | Not applicable |
| Combustibility: | No Information available |
| Explosive Limits, %: | No Information available |
| Vapor Pressure, mmHg: | Not applicable |
| Vapor Density: | Not applicable |
| Density, g/cm³: | 1.1 |
| Solubility in Water: | No Information available |
| Partition Coefficient, n-octanol/water: | Not applicable |
| Auto-Ignition Temperature, °C: | No Information available |
| 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: No Information

INCOMPATIBLE MATERIALS: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide. Hydrocarbons. Trace amounts of acrolein, formaldehyde, aldehydes, acids, ketones, and other unidentifiable organic compounds may be formed.

Section 11. Toxicological Information

INFORMATION ON TOXICOLOGICAL EFFECTS

CARCINOGENICITY:

None of the ingredients of this product are listed as a carcinogen by IARC, NTP, OSHA, MAK, or GHS.

SKIN CORROSION / IRRITATION: No Information

SERIOUS EYE DAMAGE / IRRITATION: Direct eye contact may cause irritation. Processing fumes may cause irritation.

RESPIRATORY OR SKIN SENSITIZATION: No Information

GERM CELL MUTAGENICITY: No Information

REPRODUCTIVE TOXICITY: No Information

SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE: No Information

SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE: No Information

ASPIRATION HAZARD: No Information

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: No Information

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

PERSISTANCE AND DEGRADABILITY: No Information

BIOACCUMULATIVE POTENTIAL: No Information

MOBILITY IN SOIL: No Information

OTHER ADVERSE EFFECTS: No Information

Section 13. Disposal Information

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

Section 14. Transport Information

Road Transport

| | |
|--------------------------|----------------|
| UN Number: | No Information |
| UN Proper Shipping Name: | No Information |
| Transport Hazard Class: | Not Regulated |
| Packing Group: | No Information |
| ADR/RID Class: | Not Regulated |

Sea Transport

| | |
|--------------------|----------------|
| IMDG/GGVSee Class: | Not Regulated |
| Marine Pollutant: | No Information |

Air Transport

| | |
|------------------|---------------|
| ICAO/IATA Class: | Not Regulated |
|------------------|---------------|

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

Warning: The following ingredients present in the product are known to the state of California to cause cancer:

No Proposition 65 Carcinogens exist in this product.

CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards:

No Proposition 65 Reproductive Toxins exist in this product.

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.

Section 16. Other Information

Revision Date: 10 Feb 2016
Supersedes Date: New MSDS
Datasheet produced by: Regulatory Department
Reason for revision: No Information

HMIS Ratings:

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

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)

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Warning

May form combustible dust concentrations in air if small particles are generated during further processing, handling, machining, or by other means.

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