



Safety Data Sheet

U.S.A.
+1 507-454-6900

Mexico
+82 81 8134-0403

Europe
+33 3 8025 3000

Singapore
+65 6863-6580

China
+86 512-6283-8383

Section 1. Company and Product Identification

PRODUCT NAME: RTP 2799 S X 154162 K CB S-46183 YELLOW

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
580 East Front Street
Winona, MN 55987 USA
www.rtpcompany.com

Information Telephone: 1-507-454-6900

Safety Data Sheet Coordinator: msds@rtpcompany.com

EMERGENCY TELEPHONE: 1-507-454-6900

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. Styrenic-Polyolefin Thermoplastic Rubber; Styrenic Thermoplastic Elastomer, TES. This contains a foaming agent or foaming agent concentrate. Intentional outgassing will occur when heated to the decomposition temperature of the foaming agent.

<u>Chemical Name</u>	<u>SVHC 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. Closed containers may burst if exposed to extreme heat or fire. 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 cool, dry, sprinkler equipped warehouse at temperatures below 50 °C (122 °F).

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: The foaming agent(s) will intentionally cause outgassing from this compound. 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: Wash hands before breaks and immediately after handling the product. 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:	0.9
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. Intentional outgassing will occur above 125°C (257°F).

POSSIBILITY OF HAZARDOUS REACTIONS: Hazardous polymerization will not occur.

CONDITIONS TO AVOID: Avoid temperatures above 232 °C (450 °F). Maintain a fire watch if 260 °C (500 °F) is reached.

INCOMPATIBLE MATERIALS: Strong oxidizing agents. Strong acids and strong bases. Metallic compounds.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide. Aldehydes, ketones, acrolein, hydrocarbons, acids.

Section 11. Toxicological Information

INFORMATION ON TOXICOLOGICAL EFFECTS

Acute Toxicity Values

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

CARCINOGENICITY:

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

* It has been observed that the carcinogenic hazard of this substance arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung.

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 (possibly severe) to the respiratory tract.

EFFECT OF OVEREXPOSURE - SKIN CONTACT: Avoid contact with skin. 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. Dispose of 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

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. (updated 21 Apr 2023) 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. (updated 21 Apr 2023) 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 2023)

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

None known.

Section 16. Other Information

Revision Date: Apr 26 2023
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.

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

It is believed that the information contained herein is accurate as of the date hereof. HOWEVER, NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREIN AS TO THE INFORMATION PROVIDED OR THE PRODUCT TO WHICH THE INFORMATION REFERS. The health and safety precautions contained herein may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. Nothing contained herein shall be construed as a license for the use of any product in a manner that would infringe existing patents.

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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Winona, MN 55987 USA
www.rtpcompany.com
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