

# MATERIAL SAFETY DATA SHEET

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Chemical name	Polyamide 9T(Polynonamethylene terephthalamide)	
Trade name	Genestar — GT2330	
Chemical family	Polyamide	
CAS. No.	169284-22-4	
Chemical formula	$\left[ \begin{array}{c} \text{CH}_3 \\   \\ \left( \text{--}\text{N--}(\text{CH}_2)_9\text{--}\text{N--} / \text{--}\text{N--CH}_2\text{--CH--}(\text{CH}_2)_6\text{--}\text{N--} \right) \left( \text{--}\overset{\text{O}}{\underset{\text{O}}{\text{C}}}\text{--}\text{C}_6\text{H}_4\text{--}\overset{\text{O}}{\underset{\text{O}}{\text{C}}}\text{--} \right) \end{array} \right]_n$	
1. Hazardous Ingredients	Polyamide 9T(CAS No.169284-22-4) ca.45±3% Flameretardants(Brominated compound) ca.17±3% Glass filler(CAS No.65997-17-3) ca.33±3% Additives (such as Heat stabilizer) ca. 2±0.5% The above-mentioned materials are not hazardous.	
2. Physical data	Boiling point N.A.(Not Applicable) Vapor pressure N.A. Vapor density N.A. Solubility in water Negligible Specific gravity 1.58±0.03 Melting point 306 ± 5 °C Appearance pellets	
3. Fire and explosion hazard data	Flash ignition temp. ≥ 200°C Extinguishing media Water, Dry chemical and Carbon dioxide Characteristic fire and explosion hazards Polyamides usually burn with a bluish tinge. The gaseous decomposition products smell like burnt hair or wool.	
4. First aid	Emergency procedures If molten polymer contacts the skin, cool immediately with cold water and obtain medical care for thermal burn. If exposed to vapors from overheating, remove to the fresh air and obtain medical care.	
5. Stability data	Materials to avoid contact Strong acids, bases and oxidizing agents. Polymerization Will not occur.	

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6. Cares to be taken in case of spill or leak

When material is spilled	Sweep up to prevent slipping on polymer pellets.
Waste disposal method	Disposal methods should conform with local government' s and other regulations.

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7. Protection procedures

Respiratory protection	Unnecessary under normal processing.
Ventilation	Adequate ventilation is required at molding machine.
Protective gloves	At treating hot polymers.
Eye protection	Safety goggles for processing.

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8. Other precautions

Precautions to be taken in handling and storing	Keep dry storage and containers should be closed to prevent any contamination. After handling, wash hands with soap and plenty of water. In case of sensitive skin to reinforcing material dust ,may cause irritation and itching to skin. Wear long sleeved shirts, long pants and protective gloves.
Hazardous decomposition products	Toxic fume of CO, CO <sub>2</sub> , NH <sub>3</sub> , HCN and Brominated compound may be evolved.
Information on toxicity	Toxicity data and references: N.A.
Mutagenic effects	Negative in the AMES test.

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- \* The contents of these hazard information were prepared based on materials, information, and data available at the present time; they may be revised according to new information.
- \* These written information does not guarantee the quality or safety of your company' s finished product. Determination of the suitability of the finished product shall be the responsibility of your company.