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## MATERIAL SAFETY DATA SHEET

### 5020 HEAT SEAL POLYPROPYLENE

**Distributor: Multi-Plastics, Inc.**

Commercial Product Name		Polypropylene		
1.1 Chemical characterization: Polypropylene				
1.2 Form: film		1.3 Colour: transparent		1.4 Odour: none
2 Physical and safety data		Tested in accordance with:		
2.1 Change in physical state softening point		ca. 160 165	°C	
2.2 Density Bulk density		(20°C) ca. .55 – 1.0	g/cm <sup>3</sup> kg/m <sup>3</sup>	DIN 53479
2.3 Vapour pressure		( °C) ( °C)	n.a.	mbar mbar
2.4 Solubility in water in		( °C) ( °C)	insoluble	g/l g/l
2.5 Flash point		350	( °C)	
2.8 Ignition temperature		330 – 380	( °C)	
2.9 Explosion limits		lower: n/a	upper: n/a	
2.10 Thermal decomposition		> 220°C(in air)	internal DSC-method	
2.11 Hazardous decomposition products not known				
2.12 Hazardous reactions none				
2.13 Further information n.a. = not applicable				
3 Transport		Not restricted for transportation Road, Marine & Air		
Other information: Not classified as dangerous goods				
4 Regulations Not Classified				
5 Protective measures, storage and handling				
5.1 Technical protective measures Incase of bad smell molestation during thermic processing, suction or proper ventilation within				

	handling range should be observed.	
5.2	Personal respiratory protection:	Eye Protection:
5.3	Industrial hygiene	
5.4	Protection against fire and explosion	
	Observation of general regulations regarding precautionary local fire protection is recommended.	
5.5	Disposal: Can be recycled or may be disposed of or incinerated in accordance with local official regulations.	
6	Measures in case of accidents and fires	
6.1	After spillage/leakage/gas leakage n.a.	
6.2	Extinguishing media	Suitable: water, foam, powder, CO <sub>2</sub> , Halon Not to be used:
6.3	First aid In case of skin injuries due to hot melting material, see the physician.	
6.4	Further information	
7	Information on toxicity Films are not toxic.	
8	Information on ecological effects When disposed of under orderly conditions no environmental damage effects occur. When burning under free air conditions only CO <sub>2</sub> , CO and water arise. Does not contain additives based on heavy metals like cadmium (Cd), lead (Pb), mercury (Hg), or chromium <sup>VI</sup> .	
9	Further information Unwinding, winding and passage through nips and over rollers will tend to generate a strong electrostatic charge on the web. Static discharge devices should be properly positioned at such points to eliminate the charge and to prevent uncontrolled discharge from the web. This is particularly required in hazardous atmospheres and to protect personnel handling the film.	

Statements are made due to latest state of our knowledge. They shall describe our Products with regard to safety requirements, thus do not mean a guarantee for certain characteristics.