MATERIAL SAFETY DATA SHEET

PANLITE ® MN−36**#

#; Material designation may be suffixed with any one or two letters.

Identify (Trade Name As Used On Label)

November 5, 2007 Date Prepared	Teijin Chemicals Ltd. Prepared By*
071324−1A MSDS Number*	25971−63−5 CAS Number*
Teijin Chemicals Ltd. Manufacturer	+81−3−3506−4717 (TOKYO) Phone Number (For Information)
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SECTION 1 − MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS − Chemical Name & Common Names (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	%*	OSHA PEL	ACGIH TLV	Other Limits Recommended
Polycarbonate	≧ 80	Not Listed	Not Listed	
Phosporic Flame Retardant	*	Not Listed	Not Listed	
The others (trade secret)	*			
TOTAL	100			

SECTION 2 − PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point	Not applicable	Specific Gravity (H_2O=1)	1.16 ～ 1.26
Vapor Pressure (mm Hg and Temperature)	Not applicable	Melting Point	Not applicable
Vapor Density (Air = 1)	Not applicable	Evaporation Rate (= 1)	Not applicable
Solubility in Water	Insoluble	Water Reactive	Not applicable
Appearance and Odor	Pellet of All color ; no odor.		

*Optional

SECTION 3 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method Used	Not available (ASTM D1929)	Auto–Ignition Temperature	Not available	Flammability Limits in Air % by Volume	Not available
Extinguisher Media	Dry chemical or water.				
Special Fire Fighting Procedures	Burning pellets create a black, sooty smoke of uncertain hazard and composition. Wear appropriate respiratory protection for toxic and irritating gases and aerosols generated by thermal decomposition.				
Unusual Fire and Explosion Hazards	There is no explosion hazard. Fire hazard is similar to that of other solid volatile organic materials.				

SECTION 4 – REACTIVITY HAZARD DATA

STABILITY (*)Stable ( )Unstable	Conditions To Avoid	None specifically known
Incompatibility (Materials to Avoid)	None specific incompatibility	
Hazardous Decomposition Products	Gases generated by combustion are phosphoric compounds, carbon monoxide and/or carbon dioxide	
HAZARDOUS POLYMERIZATION ( )May Occur (*)Will Not Occur	Conditions To Avoid	None specifically known

SECTION 5 – HEALTH HAZARD DATA

Primary Routes of Entry	( ) Inhalation ( ) Ingestion ( ) Skin Absorption (*) Not Hazardous
Carcinogen Listed In	( ) NTP ( ) OSHA ( ) IARC Monograph (*) Not Listed
Health Hazards	Acute Not available Chronic Not available
Signs and Symptoms of Exposure	No effects observed or expected
Medical Conditions Generally Aggravated by Exposure	None known
Emergency First Aid Procedures	Seek medical assistance for further treatment, observation and support if necessary.
Eye Contact	Flush eyes thoroughly with clean, low pressure water.
Skin Contact	Wash affected areas with soap and water.
Inhalation	None
Ingestion	None

* Optional

SECTION 6 – CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (Specify Type)	Not required
Protective Gloves	Insulated gloves
Eye Protection	Safety glasses with side shields
Ventilation To Be Used (*) Local Exhaust ( ) Mechanical (general) ( ) Special ( ) Other (specify)	 Required Not required None None
Other Protective Clothing and Equipment	Not required
Hygienic Work Practices	Not required

SECTION 7 – PRECAUTIONS FOR SAFE HANDLING AND USE / LEAK PROCEDURES

Steps to be Taken If Material Is Spilled Or Released	Sweep up and place in a waste disposal container
Waste Disposal Methods	Disposal must be in accordance with national and local regulation for nonhazardous waste.
Precautions to be Taken in Handling and Storage	None

Other Precautions and/or Special hazards

This material shall be used for molding purposes only.
Processing of thermoplastic resins at temperatures commonly used in extrusion or injection molding may produce fumes which may be irritation to some individuals. The composition of the fumes is dependent on operating conditions, especially temperature and residence time; the specific formulation of the product being manufactured; surface area of the product being manufactured; equipment variables; and water content of the product formulation, among other characteristics. Overexposure in some individuals may produce irritation of the eyes, mucous membranes and upper respiratory tract. Well designed local exhaust ventilation should be used to capture these fumes and remove them from the workplace (see Section 6). Captured fumes and residues may be flammable and/or combustible, and ventilation systems must be designed, constructed, operated, and maintained to prevent fires and explosions. Wear protective clothing, including rubber gloves, to prevent skin contact during cleaning of the ventilation system.

* Optional

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirments. The data does not signify any warranty with regard to the product's properties.