

MATERIAL SAFETY DATA SHEET

SECTION I. PRODUCT IDENTIFICATION

Manufacturer:	Toray Composites (America), Inc. 19002 50th Ave E. Tacoma, WA 98446 USA
Phone No.:	(253) 846-1777
Product Name:	TORAYCA Prepreg
Designations:	P2302-19, P2352W-19, P2362W-19, F6273-30K, F7373-30K, P235BW-19 , P235CW-19, P235DW-19 , P235EW-19
Chemical Family:	Formulated epoxy resin impregnated material with Carbon Fiber

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SECTION II. HAZARDOUS INGREDIENTS

	WT%	TLV
Fiber or Woven Fabric Carbon Fiber (PAN based)	50-70	Not established
Formulated Resin (Proprietary) Epoxy Resin or Catalyst	30-50	Not established

SECTION III. PHYSICAL DATA

Boiling Point:	n/a
Melting Point:	>100°C(212°F)
Vapor Pressure (mmHg):	n/a
Vapor Density (air=1):	n/a
Solubility in Water:	n/a
Specific Gravity (H ₂ O=1):	n/a
Percent Volatile:	< 2%
Evaporation Rate:	n/a
Appearance and Odor:	Black, resin impregnated material, practically odorless (n/a = not applicable)

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point:	>200°C(392°F)
Ignition Point:	516°C(961°F)
Flammable Limit:	n/a
Extinguishing Media:	Water, dry chemical, foam, carbon dioxide
Special Fire Fighting Procedure:	Self-contained breathing apparatus and protective clothing should be worn in case of fires.
Unusual Fire and Explosion Hazard:	None

SECTION V. HEALTH HAZARD DATA

Threshold Limit Value:	Not established for this product
Effect of Overexposure:	Prolonged or repeated contact may cause skin irritation or allergic reactions.
Emergency and First Aid Procedure:	In case of contact, remove contaminated clothing and wash affected skin area with soap and plenty of water.

SECTION VI. SUPPLEMENTAL HEALTH INFORMATION

Epoxy resins in this product may cause irritation and skin sensitization. It also shows activity in vitro microbial mutagenicity screening.

Catalyst in this product may cause liver, nerve and kidney effects and blood disorder. It is not carcinogenic for mice of either sex, or for female rats, but is carcinogenic for male rats.

Significance of the information above to human being is unknown.

There is no reliable information available for this product as whole mixture of the components, but potential for the exposure to the product should be reduced as much as possible.

SECTION VII. REACTIVITY DATA

Stability:	Stable but has reactivity.
Conditions to avoid:	Avoid excess heat.
Incompatibility (Materials to Avoid):	Strong acid, bases, oxidizing agent.
Hazardous Decomposition Products:	May form toxic materials, avoid inhalation.
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	Not anticipated.

SECTION VIII. SPILL OR LEAK PROCEDURE

Steps to be taken in case material is released or spilled:	n/a
Waste Disposal Method:	Bury in the designated landfill in accordance with local and national regulations. Do not incinerate it. Incineration may generate airborne fibers which may cause electrical malfunctions.

SECTION IX. SPECIAL PROTECTION INFORMATION

Respiratory Protection:	Vapor respirator is recommended when heated to high temperature.
Ventilation:	Adequate ventilation is recommended while machining cured product.
Protective Gloves:	Rubber or plastic gloves should be worn at all times when handling this material.
Eye Protection:	Safety glasses and/or goggles should be worn while machining cured product.
Other Protective Equipment:	Eyewash fountains, creams for epoxy resin.

SECTION X. SPECIAL PRECAUTIONS

Precaution to be taken in handling and storage:	Materials should be sealed against contamination from dirt and moisture. Do not keep the prepreg untightened for more than 2 hours. Store below 10°F.
Other Precautions:	Carbon fiber is electrically conductive. It may cause short circuits of electrical apparatus, especially when airborne fibers are drifting in the area. Do not try to incinerate the material.

We believe the information on this data sheet is correct to the best of our current knowledge. However, no warranty is made with respect to its completeness.

This material safety data sheet does not anticipate all the situations in which this material may be processed or all the physical and mental characteristics of each individual who may be involved in the processing. It is the user's obligation to test and use this material safely in accordance with every relevant regulation and law.

All components of this product are listed on TSCA inventory.

Unless otherwise agreed in writing, no liability is assumed by us for any claims or damage caused in relation to the use of this material.

Prepared by TCA Technical Department