



ITT

ITT Friction Technologies NOVI, MI

**SUBJECT:****Material Safety Data Sheet (MSDS)**

According to 2001/58/CE – DM 09/07/2002 – ISO 11014-1

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## 7. Handling and storage

Handling: No special measures are required.

Storage: Store only in the original container away from acids and bases.

## 8. Exposure controls/personal protection

General precautions: Observe the rules of good industrial hygiene and the precaution measures which are usually taken in the handling of the composite materials.

Respiratory protection: Respiratory protection may be required if dusts are created and the ingredient exposures exceeds their respective exposure limits. Use of NIOSH approved air purifying respirators is recommended.

Protective equipment: Observe the good rules in the handling of composite materials. Cotton, latex, or other suitable gloves and / or protective clothing are recommended when handling brake parts, because some persons may be sensitive to partially cured phenolic or cashew resins and develop dermatitis type reaction upon contact with skin.

Eye protection: Wear safety glasses when necessary.

Ventilation: All operations that may generate dust including grinding, machining, and drilling should be sufficiently exhausted to avoid inhalation of dust.

## 9. Physical and chemical properties

Form: solid  
Color: grey-brown-black  
Odor: characteristic  
Melting point: not determined  
Boiling point: not determined  
Flash point: not applicable.  
Self-inflammability: product is not self igniting.  
Danger of explosion: none  
Density: 2.00 – 3.50 g/cm3  
Solubility in water: insoluble

## 10. Stability and reactivity

Thermal decomposition: No decomposition if used according to specifications. If decomposition occurs, products would include: hydrocarbons, ammonia, sulfur, carbon oxides (CO and CO2), nitrogen, and trace amounts of other organic compounds.

Hazardous polymerization: Product is cured in manufacturing process and will not polymerize.

Stability: Stable at standard temperatures and storage conditions.

Incompatibility (Materials/Conditions to Avoid): Avoid contact with strong acids and strong oxidizers.

## 11. Toxicological information

See section 3 "Hazard Identifications". Ingredient-specific data for this article is not presented. When used and handled according to specifications, the product, according to our experience and to information provided to us, does not have any harmful effect. In the "as delivered" form, and is considered a non-hazardous "article".