10. STABILITY AND REACTIVITY

Stability: Stable at normal conditions.

Hazardous reactions: None under normal processing.

Hazardous decomposition products: Methyl ethyl ketoxime formed during cure. Oxides of carbon. Oxides of silicon. Formaldehyde.

Incompatible materials: Polymerizes on contact with water. Oxidizing agents. Acids and bases.

Reactivity: Not available.

Conditions to avoid: Moisture.

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects/Symptoms

Inhalation: Inhalation of vapors or mists of the product may be irritating to the respiratory system. When heated to temperatures exceeding 300° F (150° C) in the presence of air, silicones may form formaldehyde vapors. Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitizer. Vapors irritate the eyes, nose and throat. Safe handling conditions may be maintained by keeping formaldehyde vapor concentrations below the OSHA permissible limit. The silane is a skin and eye irritant and prolonged contact may cause eye and skin burns. The low concentration makes such overexposure unlikely and minimizes its affect on health and safety.

Skin contact: Causes skin irritation. May cause allergic skin reaction.

Eye contact: Causes serious eye irritation.

Ingestion: May be harmful if swallowed. Not expected under normal conditions of use.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Silicone Resin	None	Irritant
Oximino silane	None	Irritant, Allergen
Diiron trioxide	None	Allergen, Cardiac, Central nervous system, Irritant, Kidney, Liver, Lung
Mica	None	Lung
Butanone oxime	None	Allergen, Blood, Central nervous system, Eyes, Irritant, Some evidence of carcinogenicity
Tristearate-Al	None	Lung
1,1,1,3,3,3-Hexamethyldisilazane	Oral LD50 (RAT) = 847 mg/kg Oral LD50 (RABBIT) = 1,100 mg/kg Inhalation LC50 (RAT, 4 h) = 8.7 mg/l	Irritant

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Silicone Resin	No	No	No
Oximino silane	No	No	No
Diiron trioxide	No	No	No
Mica	No	No	No
Butanone oxime	No	No	No
Tristearate-Al	No	No	No
1,1,1,3,3,3-Hexamethyldisilazane	No	No	No

12. ECOLOGICAL INFORMATION

Ecological information: Not available.