



Triglycidyl Isocyanurate (TGIC)

DESCRIPTION:

Triglycidyl Isocyanurate (TGIC) is a highly stable epoxy resin. It is a white powder or granule with no discernible odor at room temperature. TGIC is slightly soluble in water (0.1%), and soluble in methanol (7%), toluene (3%) and isopropanol (1%). It reacts rapidly with primary and secondary amines, carboxylic acids and anhydrides, thiols, phenols, and alcohols. It can be polymerized with catalysts and may undergo intense autopolymerization.

SUGGESTED USES/APPLICATIONS:

Curing agent for polyester powder coatings, Ingredient for: electrical insulation materials, laminated sheets, printed circuits, tools adhesives, stabilizer for plastics etc.

SPECIFICATION:

Test Item	TGIC-G	TGIC-P	TGIC-D
Appearance	White Granule	White Powder	White Powder
Melting Range (°C)	90 to 120	95 to 120	95 to 120
Epoxy Equivalent	< 110	<110	< 105
Viscosity at 120° C	< 100 cp	< 100 cp	< 100 cp
Chlorine Content	< 1.5%	< 1.5%	< 0.12%
Volatile Matter	< 1.0%	< 1.0%	< 1.0%
Epichlorohydrin	< 50 ppm	< 50 ppm	< 50 ppm

PACKAGING:

25-kg plastic bags or as otherwise agreed upon.

STORAGE:

TGIC should be stored in a low humidity ambient environment.

SHELF LIFE:

The shelf life of this material is 1 year from the date of manufacture if stored in low humidity conditions.



Office (909) 631-2895
 FAX (909) 631-2309
 Email Sales@NiuSource.com

14266 Euclid Avenue
 Chino, California 91710

www.NiuSource.com

