

GABEPRO™ GPM-800LO Curing Agent

Product Description

GABEPRO™ GPM-800LO curing agent is a mercaptan (-SH) terminated liquid curing agent which imparts rapid-cure characteristics to epoxy resins in combination with selected amines. These systems are unique in that they also provide rapid cure rates at low temperatures and in thin films. GPM-800LO is formulated to have an improved odor relative to our standard product.

Applications

- Consumer Patch Kits
- Road Marker Adhesives
- Industrial Adhesives
- Jewelry and Craft Adhesive Cure
- Acceleration of Epoxy Adhesive Cure

Features

- Rapid Cures
- Low Temperature Cures
- Thin Film Cures
- Low Toxicity
- Excellent Color

Typical Properties

Property	Value
Color, Gardner	1.0 max
Moisture, Dean Stark, Wt %	0.3 max
Mercaptan Value, meq/g	3-4
Viscosity (Brookfield) at 25 °C, cP	10,000 - 15,000
Density, g/cm ³	1.15
pH	3.0 - 5.0
Chloride, Wt %	0.15 max

Processing

GABEPRO™ GPM-800LO curing agent is a unique polymericaptan epoxy hardener which, when used with a catalyst, provides very rapid cures of epoxy systems, even in thin films and at low temperatures. The catalyst is an integral part of a GPM-800LO system. The action of a properly selected catalyst can provide gel times as short as 4 minutes. GABEPRO™ GPA-30 tertiary amine is a most effective catalyst for GPM-800LO systems. A two-part epoxy system can be obtained by blending the tertiary amine into the GPM-800LO to produce the epoxy hardener system. In the blending process, care should be taken to avoid introducing iron contamination. The catalyst, fillers, other additives and the equipment used should be selected carefully with avoidance of iron contamination in mind. Iron contamination in connection with oxygen in the atmosphere may cause skinning in some systems.

Regulatory Status

TSCA (USA), DSL (Canada), PICCS (Philippines), AICS (Australia), ENCS/MITI (Japan), IECSC (China), EINECS (EU)

Storage

GABEPRO™ GPM-800LO curing agent should be stored in a dry place, in its sealed original container, at temperatures between **10°C - 30°C (50°F - 86°F)**. Under these storage conditions the shelf life is **24 months** from date of manufacture. The product should not be exposed to direct sunlight.

Mercaptans are known to yellow above 75°F. At 90°F the yellowing is accelerated and at 100°F the yellowing is instant. While yellowing is not always observed by the naked eye, a definite increase is detected by the colorimeter.

Precautionary Statement

Huntsman Advanced Materials Americas LLC maintains up-to-date Safety Data Sheets (SDS) on all of its products. These sheets contain pertinent information that you may need to protect your employees and customers against any known health or safety hazards associated with our products. Users should review the latest MSDS to determine possible health hazards and appropriate precautions to implement prior to using this material.

First Aid!

Refer to SDS as mentioned above.

KEEP OUT OF REACH OF CHILDREN

FOR PROFESSIONAL AND INDUSTRIAL USE ONLY

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