



1300

Epoxy Resin

Description: Orca 1300 Epoxy Resin is a low viscosity liquid bisphenol-A based epoxy resin diluted with cresyl glycidyl ether.

Features:

- Low viscosity for easy pumping and handling
- Reacts with full range of curing agents at low temperatures
- Produces high-strength cured systems resistant to chemical attack
- Lower odor
- Less prone to crystallization than other diluted epoxy resins

Uses:

- Yacht/Boat Construction
- High Performance manufactured parts
- RTM/VARTM/Vacuum bagging
- Hand Lay-up application (fast wet out)
- Electrical Potting
- Tooling compounds
- Metal and plastics adhesive

TYPICAL PROPERTIES

| | | |
|---|----------------|------------|
| Viscosity, Poise at 25°C | ASTM D 445 | 5-7 |
| Color, Platinum-Cobalt | ASTM D 1209-84 | 75max. |
| Physical Form | | Liquid |
| Pounds/gallon, 25°C | | 9.5 |
| Density, g/ml, 25°C | | 1.14 |
| Flash Point, °F | ASTM D 3278-82 | >199 |
| Vapor pressure, mm hg, 20 °C (VP of pure cresyl glycidyl ether) | | Negligible |

FDA STATUS

Orca 1300 is not listed in 21 CFR 175.300 and is not recommended for food contact applications.

The information herein is general information designed to assist customers in determining whether Orca products are suitable to their applications. Orca products are intended for sale to industrial and commercial customers. We require customers to inspect and test our products before use and to satisfy themselves as to contents and suitability for their specific applications. **Nothing herein constitute any warranty express or implied, including any warranty of merchantability or fitness for a particular purpose**, nor is any protection from any law or patent to be inferred. The exclusive remedy for all proven claims is limited to replacement of our materials and in no event shall we be liable for special, incidental or consequential damages.

Fiberlay Inc. - 24 S Idaho St Seattle WA, 98134 (800)942-0660

Orca 1300 Resin/PROGLAS

IDENTIFICATION and CLASSIFICATION

Chemical Abstract Service Registry Number:

No CAS Registry number has been assigned to ORCA 1300 since the product is a mixture. CAS Registry numbers for components of ORCA 1300 include:

- Base Resin 25068-38-6
- Reactive diluent 2210-79-9

Material Safety Data Sheet Number: 20

Generic Name: Modified liquid Bisphenol A-Epichlorhydrin based epoxy resin

PACKAGING, STORAGE AND SHIPPING

Orca 1300 Resin is a low viscosity diluted epoxy resin that is available in tank cars, tank trucks and 500 pound net closed head drums. Proglas is a re-packaged name for smaller quantities.

While Orca 1300 is less prone to crystallize in storage when compared to other diluted epoxy resins, if crystallization does occur it may be reliquidified by warming to 120°F. Product should be stored above 40°F to minimize this problem.

Orca 1300 Resin is not a hazardous material according to Department of Transportation regulations

Safety

Read and understand the Material Safety Data Sheet before working with this product

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