

COPPERHEAD CHEMICAL COMPANY®

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Product Information Bulletin for:

PROPYLENEGLYCOL DINITRATE

Propyleneglycol Dinitrate (PGDN) is a nitrate ester that can be used in a variety of applications. Common stabilizers for PGDN are ethyl centralite and 2NDPA.

Physical Properties

Physical State	Oily Liquid
Color	Colorless
Chemical Formula	CH ₃ CH(ONO ₂)CH ₂ ONO ₂
Molecular Weight	166.1
Specific Gravity @ 20°C	1.368
Freezing Point	<-20°C
Heat of Explosion	1110 cal/g
Viscosity @ 20°C	4.65 cP

Typical Specifications

Nitrogen	16.87 + 0.05%
Acidity/Alkalinity	0.001% maximum
Moisture	0.5% maximum
KI Stability (82.2°C)	10 minutes minimum

Please contact us regarding any special requirements

Shipping Information

Designation	Composition	DOT Classification	Standard Packages
RXL 645	PGDN (Stabilized)	Substances, Explosive, n.o.s., Class 1.1D, UN0475, PGII	5 gallon inner packaging with a 1A2 outer packaging 30 gallon inner packaging with a 1A2 outer packaging Palletized drums or desiccators authorized under DOT-SP2709

If you are looking for a responsive, reliable, and cost effective manufacturer, contact us via telephone at (570) 386-6123 or via e-mail at sales@copperheadchemical.com. For additional information and handling instructions, refer to the Safety Data Sheet.

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FOR YOUR PROTECTION:

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