

**BONDERITE S-AD 197 ACHESON
GRAPHITE DISPERSION IN OIL**

(KNOWN AS DAG 197)

Issued
6/27/2013**Description:**

BONDERITE S-AD 197 ACHESON (known as DAG 197) is a concentrated dispersion of extremely high purity colloidal graphite in a water-insoluble polyalkalene glycol. It provides superior fluid lubrication in extreme temperature, high stress environments that carbonize petroleum oils. If temperatures rise to the point that the polyalkalene glycol volatilizes, an adherent film of graphite remains on the wear surface to maintain a low coefficient of friction and prevent metal-to-metal contact.

BONDERITE S-AD 197 ACHESON (known as DAG 197) is specially formulated and unequalled in its ability to resist settling out.

Typical Uses Include:

Lubricant for: conveyor chains
kiln cars
gears and bearings
glass-making machinery
extreme pressure additive

Physical Properties (as supplied):

Pigment:	colloidal graphite
Carrier :	water-insoluble polyalkalene glycol
Diluent :	water-insoluble polyalkalene glycol
Solids content:	10%
Density :	8.7 lb/gal (1.04 kg/l)
Flash point:	404°F (207°C)
Fire point:	470°F (243°C)
Pour point:	0°F (-17.8°C)
Shelf life:	two years from date of qualification under original seal.

Method of Use: To Dilute

Important: Use only water insoluble polyalkalene glycols to dilute BONDERITE S-AD 197 ACHESON (known as DAG 197). Agitate the concentrate well before dilution. Maintain a continuous agitation throughout the blending operation. Add diluent to concentrate.

Although diluent viscosity and dilution ratio are finalized on the job, the following dilution ratios are recommended for initial use:

<u>Application</u>	<u>Dilution Ratio Product:Diluent</u>
Conveyor chain, continuous application	1:50
Conveyor chain, intermittent application	1:20
Kiln car wheel bearings	1:20



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Utilize the most convenient method of application: either dip, spray or brush methods.

Companion Product:

BONDERITE L-GP M 207 ACHESON (known as MOLYDAG 207), a molybdenum disulfide/polyalkalene glycol dispersion, is recommended when the use of molybdenum disulfide is preferred over graphite. The same particle fineness is available in BONDERITE L-GP M 207 ACHESON (known as MOLYDAG 207) as in **BONDERITE S-AD 197 ACHESON (known as DAG 197)**.

Precautions:

May cause minor irritation to eyes, nose and throat. Use in adequately ventilated area. Avoid prolonged contact with skin. (See Henkel Material Safety Data Sheet for proper first aid instructions.)

Henkel Corporation | 32100 Stephenson Highway | Madison Heights, MI 48071
PHONE: (248) 583-9300 | FAX: (248) 583-2976 | www.henkelna.com/

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