

DMC5GL and DMC55GL Mirror Grind 5448

(MSDS Number PT0554.48)

CRL MIRROR GRIND
DMC5GL and DMC55GL Mirror Grind 5448

CRL
US ALUMINUM
JUNE 2013

PRODUCT DESCRIPTION

Mirror Grind 5448 Glass Grinding Fluid is a synthetic, non-oil fabricating fluid designed especially for the glass and mirror industry. It was formulated to effect soft-settling of glass swarf with significantly reduced recirculation of fines, which facilitates removal via centrifuge or settling tanks. High lubricity characteristics facilitate high feed rates to maintain production at consistently high levels. These products are non-reactive to mirror backing materials, paints, ferrous and non-ferrous metals.

FEATURES AND BENEFITS

High performance, cost-effective lubrication

Mirror Grind 5448 is supplied in concentrate form to be diluted according to your requirements (usually from 50:1 to 100:1). With addition at tank side or by automated metering equipment, this product accommodates grinding bevels of up to two inches.

Heavy duty formulation to extend sump life

Mirror Grind 5448 is designed with long-lasting microbiological protection suited for heavy use situations experienced in even the largest of glass facilities.

Easier handling of swarf

Mirror Grind 5448 reduces the development of popcorn particles during grinding to keep lines clear. The softsettled glass swarf is often dry enough to landfill with no further treatment (check with local authorities for landfill requirements).

Water-base for health and safety of workers and the environment

Mirror Grind 5448 is a water-base formulation, containing absolutely no oil. It is pH-controlled at moderate levels to facilitate operator handling.

AVAILABLE PACKAGING

Mirror Grind 5448 Glass Grinding Fluid is available in the following units:

- 5 gallon pails
- 55 gallon drums

PHYSICAL CHARACTERISTICS

Color.....	Yellow
pH at 78°F/25°C.....	10.40 0.20
Bulk density (lbs/gal).....	8.66 0.04
Flash point	None
Solubility.....	Water-miscible
Stability to freezing.....	Recovers with mild agitation after completely thawed
Initial cloud point.....	> 110

REGULATORY COMPLIANCE

Mirror Grind 5448 does not contain, nor is it manufactured using ozone-depleting substances as listed under Section 611 of the Clean Air Act. This product does not contain any chemicals regulated under SARA Title III reporting requirements or under California Proposition 65.

SAFETY

In its concentrated form, **Mirror Grind 5448** can cause severe eye irritation. If it should come into contact with the eyes, they should be flushed out with potable water. **Mirror Grind 5448** contains alkanolamines - do not add solutions containing sodium nitrite to this material. **Before using this product, please read Material Safety Data Sheet Number PT0554.48 for Mirror Grind 5448 Glass Grinding Fluid and follow the recommended safety instructions.**

WASTE DISPOSAL

Mirror Grind 5448 is not considered a hazardous waste under current RCRA regulations. Dispose of all wastes in conjunction with federal, state and local laws governing non-hazardous materials. For spills and other emergency situations occurring after normal business hours, please call our 24 hour hot line (503) 293-7763 or Infotrac Emergency Center (800) 535-5053.

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Warranty – the information and recommendations contained on labels and in bulletins offered by this company are, to the best of our knowledge, accurate and reliable. No guarantee of their accuracy is made, however, and the products discussed are sold without warranty, express or implied, and upon condition that the purchaser shall make his own tests to determine the suitability of such products for his particular purposes and uses. Nothing in bulletins or on labels constitutes permission or a recommendation to practice or use any invention covered by any patent by any company or person. Our liability will be limited to replacement of merchandise found to be defective by company representatives. The manufacturer shall not be liable for any representations (express or implied) made by any of its agents, representatives, or employees regarding its merchandise or other warranties.

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