

# Technical Data Sheet

## Black Ice™ Aerosol

Fast Drying, Cleaner/Graphite Lubricant  
From the makers of SLIP Plate® Brand of Graphite Products



### Product Description:

Utilizing the power of graphite, a natural friction-reducing mineral, Superior Graphite has developed Black Ice™. Combining a unique solvent cleaner with a friction reducing graphite powder to first cleans the surface, and then to deposits a layer of pure, lubricous graphite powder. This is not graphite paint. This aerosol product has been engineered not to buildup on the surface, but rather effectively coat and deliver graphite powder where it is specifically needed.

Competitive petroleum based products available on the market do effectively coat surfaces, but leave a wet, sticky film that will attract dirt and grime and are affected by temperature. Graphite, being a dry, solid lubricant particle will not have these issues. This unique engineered graphite powder has the ability to work into the rough surface features of the metal it is coating, and will continue to lubricant even though visible graphite gone. By molecularly bonding at the surface, a long lasting film will reduce friction when other products fail.

### Advantages:

- Contact cleaner/powder graphite lubricant removes grease, dirt, oil and previously applied lubricants
- Proprietary binder system, leaves a thin coating of dry graphite powder that will not build up
- Allows sliding mechanisms to move freely under all environmental conditions, reducing wear and premature part failure
- Convenient to use aerosol delivery system
- Unique dry film technology that will not attract dirt, dust, or grit
- Effective in temperature extremes, will not change consistency, or become gummy and sticky like some wet lubricants or greases
- Microcrystalline structure molecularly bonds with metal pores to provide long-lasting lubrication, even after the surface coating is no longer visible
- Chemically inert coating allowing operation in challenging operating environments
- Thermally conductive to dissipate heat and cool weapons faster
- Prevents binding and galling
- Straw applicator focuses concentrated blasts
- Ideal for personal or crew serviced weapon systems

***If it needs to slide, roll, turn, twist, or spin  
– it's a job for SLIP Plate!***



Information provided on this Technical Data Sheet is supplied to indicate the physical and chemical properties of the material. This information is believed to be correct. However, no warranty is made, either expressed or implied regarding the accuracy of the results obtained from the use of this product. Customers are strongly encouraged to test the materials independently prior to application/purchase.

**Limitations:**

- Do not use on Aluminum weapon firing mechanisms and components.
- Do not use any grease, oil, or other petroleum product on top of this coating, as it will deteriorate the effectiveness of the graphite
- Bonding agents and graphite will begin to oxidize at temperatures above 450°F, and this coating is not recommended for high temperature applications

**Preparation:**

- **Thoroughly mix and agitate can prior to use:** It is important the can be properly agitated for 1-2 minutes with the mixing balls inside rattling. This makes sure the optimal coating is produced when sprayed.
- **Insert attached spraying stry to nozzle prior to use.** Attach the straw to the nozzle to allow for directed, powerful spraying to the desired location. This allows graphite to be placed right where it is needed
- **Prepare your surface.** Remove any loose debris, mud, loose paint, rust or grit as best as possible with compressed air or small brush.

**Product Characteristics:**

| Physical Properties                                  | Typical Range                 |
|--|-------------------------------|
| Carrier  | Solvent                       |
| Color  | Light Grey                    |
| Fluid Consistency                                    | Thin, Aerosol                 |
| Measured Viscosity, (centipoises)                    | < 500                         |
| Flash Point Temperature                              | NA                            |
| Dry Time (tack-free), (min)                          | 2-8 @ 70°F/21°C               |
| Dry Time (complete), (min)                           | 10-15 @ 70°F/21°C             |
| Average Application Coverage, (ft <sup>2</sup> /can) | Varies                        |
| Effective Temperature Range, (Minimum)               | -75°F/-59°C                   |
| Effective Temperature Range, (Maximum)               | 450°F/232°C                   |
| Suggested Application Ambient Temperature Range      | 50 - 100°F (10 - 38°C)        |
| Shelf life under original seal                       | Unlimited under original seal |

***If it needs to slide, roll, turn, twist, or spin  
– it's a job for SLIP<sup>Plate</sup>!***

SUPERIOR  GRAPHITE

Information provided on this Technical Data Sheet is supplied to indicate the physical and chemical properties of the material. This information is believed to be correct. However, no warranty is made, either expressed or implied regarding the accuracy of the results obtained from the use of this product. Customers are strongly encouraged to test the materials independently prior to application/purchase.

**Storage and Handling Information:**

- Store away from excessive heat and in original packaging.
- Material is black, or silver-grey in some instances, and these color variations are normal. Keep away from light colored clothing.
- Graphite is electrically conductive and may lead to electrical shorts and damage. Please be careful working with this product around electricity or sensitive electrical equipment.

Consult **MSDS** for information on disposal of unused materials, and safe handling practices.

| ORDERING/SHIPPING INFORMATION                  |                           |
|--|---------------------------|
| AVAILABLE PACKAGING<br>(product ordering code) | 12-6oz Cans: <b>36002</b> |
| CASE SHIPPING WEIGHT<br>(kilograms)            | <b>12-6oz:</b> 8LB (3.6)  |

***If it needs to slide, roll, turn, twist, or spin  
– it's a job for SLIP<sub>Plate</sub>!***

SUPERIOR  GRAPHITE

Information provided on this Technical Data Sheet is supplied to indicate the physical and chemical properties of the material. This information is believed to be correct. However, no warranty is made, either expressed or implied regarding the accuracy of the results obtained from the use of this product. Customers are strongly encouraged to test the materials independently prior to application/purchase.