

TECHNICAL DATA SHEET

BORON NITRIDE SPRAY



DESCRIPTION: AARNA BORON NITRIDE SPRAY is a convenient aerosol can for applying thin, uniform, quick-drying layers of Boron Nitride on to most any substrate. The aerosol can allow the creation of a dry-film-lubricant and provides the great properties of Boron Nitride in an easy-to-use/test manner – low electrical conduc- tion; high thermal conduction (like stainless); prevent reactions/interactions between materials; superior release/nonwetting.

APPLICATION AREAS:

Anti-stick:

- Molen Al, Mg & zn
- Hot-Pressing
- Glass Forming
- Weld Spatter
- Braze Stop-off

High -temperature Lubrication:

- Extrusion
- Superplastic Forming
- Stops galling
- Dry-Film Lubricant (DFL)

Ideal Use: Reducing Friction, Providing Release, Barrier Layer

PRECAUTIONS:

- 1) Clean surfaces to be painted of any oil’s dirt, scale, etc.
- 2) Shake can until mixing ball in heard & for 1 minute more.
- 3) Hold can 6 to 12 inches from surface & apply thin/uniform coating using even movements
- 4) Allow to dry for 1 to 2 minutes and respray as needed.

CHEMICAL AND PHYSICAL PROPERTIES

Active Ingredient	Boron Nitride	Binder Phase	Magnesium Silicate
Max Use Temperature	Air 1832 F / 1000 C Vac 2552 F / 1400 C Inert 3272 F / 1800 C	Color	White
Use Atmosphere	ALL	Shelf Life (months)	>12
Fired Composition (Air@700 C)	97% BN	Coverage (ft²/aerosol-can)	30-50
Liquid Carrier	Ethyl Alcohol/Acetone	H F R Ratings	2-4-0
Gas Propellant	Propane/Butane	Substrate Use	All

Other: Nearly water insoluble after drying Can be used at cryogenic temperatures

Information in this literature is to the best of our knowledge, true and accurate. However, since conditions under products may be used are beyond our control, recommendation are made without warranty or guarantee.



Part No.# A9119

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Product is White: Will gray out of first heat up to 700 C due to small amount of organic binder.

Safety Information:

- Consult SDS before use.
- Avoid breathing of spray/vapors.
- For industrial use only.

STORAGE & SHELF LIFE: The product may be stored at normal ambient temperature and has a shelf life of not less 2years with correct storage. Aerosol should always be stored below 50°C, away from direct heat and naked flame.

TECHNICAL SERVICE: AARNA LUBE PVT LTD. provides technical support under the program of research and development. For any enquiry contact us at details provided below.

Packing: - 300gm/500 ml, Aerosol Cans.

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