



Product Data Sheet

SLA™ 2020 (Cerflon)*

Colloidal PTFE/boron nitride in isopropyl alcohol dispersion

DESCRIPTION

SLA™ 2020 is a concentrated dispersion of PTFE and Boron Nitride in Isopropyl Alcohol. Compared to ordinary PTFE or Boron Nitride dispersions alone, **SLA™ 2020** provides a new dimension in durable boundary lubrication. It is an exceptionally stable dispersion that is white in color which makes **SLA™ 2020** desirable for applications where use of other dark colored solid lubricants would be objectionable.

SLA™ 2020 utilizes patented technology to “ceramically reinforce” the PTFE, thereby, significantly increasing its durability and application range. This translates to improved extreme pressure, load carrying and anti-wear properties of lubricants. Benefits to the user would include energy savings, smoother operation, extended life, and reduced maintenance costs of the object being lubricated. The “reinforced” PTFE prevents surface-to-surface contact and scuffing while providing reliable low-friction lubrication under boundary conditions.

FEATURES	BENEFITS
<ul style="list-style-type: none"> Ceramic reinforced PTFE 	<ul style="list-style-type: none"> Provides a revenue generator with a differentiated product against traditional graphite or PTFE lubricants by offering extreme pressure lubrication from the boron nitride with the low friction from PTFE
<ul style="list-style-type: none"> Stable colloidal suspension of boron nitride and PTFE Fine particle size distribution 	<ul style="list-style-type: none"> Minimal mixing costs for blending into your finished lubricant Provides cost-effective usage in finished lubricant to provide superior lubrication performance, consumer confidence and repeat sales
<ul style="list-style-type: none"> White, translucent color 	<ul style="list-style-type: none"> Addresses consumer perception of clean lubrication, driving revenue by your formulated product
<ul style="list-style-type: none"> Robust chemical and propellant compatibility 	<ul style="list-style-type: none"> Minimizes formulation costs for achieving stable and effective product

TYPICAL APPLICATIONS

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| <ul style="list-style-type: none"> Penetrating fluids General purpose lubricants Chain/conveyor lubricants | <ul style="list-style-type: none"> Release coatings Aerosols Moving parts |
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PHYSICAL PROPERTIES (as supplied)

Lubricating solid	: CERFLON (PTFE/Boron Nitride)
Carrier	: Anhydrous isopropyl alcohol
Viscosity	: 400 mPa·s @ 25°C (77°F) typical
Solids content	: 22% (PTFE/Boron Nitride)
Particle size	: median 2-4 microns by volume
Density	: 0.96 kg/l (8.0 lb/gal) @ 25°C (77°F)
Flashpoint	: 12°C (53°F)
Color	: white
VOC	: 683 g/l; reduced 764 g/l

METHOD OF USE

Surface Preparation

Substrate to be coated should be clean and dry. A solvent wipe or vapor degreasing with air dry is sufficient for most applications.

Mixing and Dilution

SLA™ 2020 is supplied in concentrated form. Agitate the concentrate to ensure uniform consistency. Continue stirring and slowly add the diluent. A dilution ratio of 1:3 (product:diluent) is suggested for initial evaluation. The best ratio for performance and economy is determined at the point of use.

Note: A small amount of soft settling of the larger particles may occur during long periods of storage. Mild agitation will restore these particles back into suspension. Diluted **SLA™ 2020** can be applied by conventional spray, brush, dip, or roller methods. Spraying provides the most uniform coverage of this product. Typical film thicknesses range from 0.2 to 0.5 mils. **Always agitate thoroughly just before using the diluted SLA™ 2020.**

Application during periods of high humidity may increase opacity or blush; exposure to strong sunlight may cause darkening.

COMPANION PRODUCTS

SLA™ 2010, a colloidal PTFE/Boron Nitride (CERFLON) dispersion in oil.

SLA™ 2030, a colloidal PTFE/Boron Nitride (CERFLON) dispersion in water.

Other companion products include colloidal dispersions of PTFE, molybdenum disulfide or graphite, all of which are available in different carriers.

STORAGE/HANDLING

Keep container closed when not in use to avoid contamination. See Henkel Material Safety Data Sheet for proper first aid instructions. Shelf life is 12 months from date of qualification under original seal.

APPLICATION ASSISTANCE

Acheson's Application Specialists are available to assist you in production start-up with **SLA™ 2020**. Visit our website www.henkelna.com/metals for more information and for the Acheson global location nearest you.

NOTES

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Henkel
32100 Stephenson Highway
Madison Heights, MI 48071