

Product Description

Metal-Free AS is a non-metallic, lead free, heavy duty anti-seize and lubricating compound. It contains a blend of extreme-pressure additives, water-resistant properties and rust and corrosion inhibitors in a high-performance carrier to provide protection to 1315°C.

Metal-Free AS is comprised of Molybdenum Disulphide, Graphite, and other solid extreme pressure additives to ensure maximum performance under the most extreme conditions. It is used in all industries where corrosion, extreme heat, and Extreme Pressures are major factors.

Features & Benefits

- Environmentally safe, no heavy metals
- Withstands extreme pressure conditions
- Has no hazardous ingredient per OSHA 29, CFR 1910.1200
- Lowers friction and reduces torque
- Compatible with stainless steel and nickel alloys
- -184° to 1315°C

Applications include

Marine applications where copper can not be used. Environmentally restrictive applications where metals must be avoided. Chemical processing, Oil refineries, Steel and metals fabrication, Power generation, Mining, Construction, Agriculture and many more.

Clean up

Skin Contact: Under normal usage - removal from skin with soap and water.

Equipment: Mineral Spirit type solvents work best.

Shelf Life

Metal-Free AS has a shelf life of 5 year or more when stored in a closed container. Shelf life may be much longer depending upon storage location and conditions. Store with container tightly sealed in a cool dry place for optimum shelf life. If slight separation occurs, stir product

Typical Properties

Property	Value
Specific Gravity	1.40
Weight per cubic meter	180 kg/m ³
Penetration, D217-60T, 100-3000 Strokes	290 - 320
Oil Separation, 30 hr. at 70°C	<1%
Flash point, ASTM D-92-85 (IP 36/65)	245 °C
Color	Dark Gray
Torque Coefficient "nut factor"	K Values 0.15 ± 0.02. Testing is required to determine the exact K values & specific performance on any individual fastener using the desired anti-seize compound.
Homogeneity	Will not settle, harden or separate under normal conditions.
Solid Lubricants Graphite Molybdenum Disulfide and others	48%
RoHS	Compliant

Cautions

Read all information on labels and Material Safety Data Sheets prior to use. All products should be tested & evaluated for a particular purpose prior to use. See Warranty Statement in our Catalog or on our Website.

Product Limited Warranty

This information is based on information we believe to be reliable and accurate, but no guarantee of its accuracy is made for a particular application. We urge and recommend that Users pretest their application prior to incorporating the product into use and assume that the User will conduct such testing.