



Data Sheet and Specification GR1018

Green Rhino High Purity NSF Lubricant's non-conductive formula is a safe and effective multipurpose lubricant. It is effective on, will not react with, and will not cause pitting or etching on metals including steel, brass, aluminum, copper, bronze, stainless steel, iron and most alloys. Green Rhino is safe and effective on plastics, rubber and wood; it will not harm chrome, anodized, plated, powder coated and most painted finishes. Green Rhino is clear, odorless and non-staining on non-porous surfaces; it displaces water and provides a barrier against rust and corrosion to protect and preserve parts. Green Rhino is an excellent rust inhibitor and resists breakdown in air, high UV and high moisture environments. Green Rhino is dielectric, carries no static charge and won't attract dust making it an ideal lubricant for electronics. Green Rhino penetrates parts and displaces moisture; as a dielectric it won't short circuit sensitive electrical equipment or industrial controls. Green Rhino's non-static and dielectric properties also support applications in print equipment, print processing and other high power electronics equipment.

Green Rhino is a non-toxic all-purpose lubricant designed for industrial use and is NSF H1 registered for use on surfaces where incidental food contact may occur. All of Green Rhino's ingredients meet strict standards and requirements for use around food and food processing equipment. Green Rhino is excellent for use on conveyors, refrigerator doors, food service carts and kitchen equipment keeping manual and electric systems lubricated, rust free and working smoothly.

Power Factor	0.014 (% at 25°C ASTM D924, IEEE Group I acceptable
Dielectric 1	dielectric BV 52kV ASTM D877, IEEE Group I acceptable
Dielectric 2	dielectric BV 28kV ASTM D1816 , IEEE Group I acceptable
Moisture	less than 15 ppm
Oxidation Inhibitor	0.007% ASTM D2668
Corrosion Protection	Pass, ASTM D-1748 Humidity Cabinet, 100 hour
Corrosive Sulfur	Non-corrosive ASTM D1275 and D130
Density, Interfacial Tension	SG 0.81 g/cc @60F ASTM D4502/1298; >40 (IF)
Viscosity	38.7 SUS at 100°F, ASTM D445
Pour Point	-40°F, -40°C
Flash Point, Fire Point	241°F, 116°C ASTM D92, 280°F, 138°C ASTM D92
Boiling Point	515°F – 586°F
% Volatile, % VOC	0%, 0%
Loading	Falex Pin & V-block, ASTM D-3233B, 750 lbs @ 1 min, 24 lb -in ASTM - D-4172 Four Ball Wear, 40 kg, 1200 rpm, 2 hr, 75 °C, 0.98
Vapor Pressure	<0.1mm Hg @ 70F
Firing Residue	Pass, MIL-PRF-63460E
NMFC data	Compounds, Lubricating; item 50303; class 55

International Inventories Comp. listed in TSCA, DSL, NDSL, EC EINICS, AICS, KECL, ENCS, PICCS, ASIA-PAC



NSF H1 - Green Rhino high purity lubricant carries NSF Registration #137287. This product is acceptable as a lubricant with incidental food contact (H1) for use in and around food processing areas. Such compounds may be used on food processing equipment as a protective anti-rust film, as a release agent on gaskets or seals of tank closures, and a lubricant for machine parts and equipment in locations in which there is a potential exposure of the lubricated part to food. The amount used should be the minimum required to accomplish the desired technical effect on the equipment. If used as an anti-rust film, the compound must be removed from the equipment surface by washing or wiping, as required to leave the surface effectively free of any substance which could be transferred to food being processed.

TCLP - Toxicity Characteristic Leaching Procedure – is not applicable or required; Green Rhino does not contain any of the targeted compounds (metals, volatiles, semi-volatiles, pesticides, herbicides or spent/unspent solvent wastes)

CA Prop 65 - neither the Green Rhino mixture nor any of its components appear on the 01-27-2017 listing of chemicals known to the State of California to cause cancer or reproductive toxicity.

Green Rhino high-purity multipurpose lubricant is a mineral oil base formulation for general purpose lubrication and protective application. Additives include hydrotreated distillates; synthetic, isoparaffinic, cycloparaffinic and aliphatic hydrocarbons. Ingredients are covered by one or more of 21CFR 175.05, 176.210, 177.2600, 178.3120, 178.3620B, 178.3910, 177.2800, 178.3570, 178.3620 and 573.680.