

## DRILLING COMPOUND

**BESTOLIFE® 4010® NM**

5 Gallon Metal Pail

**PRODUCT CHARACTERISTICS**

<b>Color:</b>	Light Gray
<b>Penetration:</b> (ASTM D217)	295-310
<b>NLGI Grade:</b>	1.5
<b>Weight/Gallon:</b>	10.4 pounds/gallon
<b>Thickener:</b>	Calcium Complex
<b>Fluid Type:</b>	Synthetic
<b>Dropping Point:</b> (ASTM D2265)	≥550°F (≥288°C)
<b>Flash Point:</b>	396°F (202°C)
<b>Brushable To:</b>	-40°F (-40°C)
<b>Service Rating:</b> (grease/solids)	600°F (316°C)/ 1000°F (538°C)
<b>Friction Factor:</b>	1.0*
<b>Salt Spray:</b>	1500 Hours
<b>Shelf Life:</b> (Unopened container)	4 years
<b>Contains:</b>	Graphite and other nonmetallic additives

\*NOTE: Due to operation and equipment variables, this value may require adjustment based on field experience.

**DESCRIPTION**

BESTOLIFE® 4010® NM is the fourth generation of the BESTOLIFE® family of non metallic thread compounds for rotary-shouldered and premium connections, designed and developed to address environmental concerns in ecologically sensitive areas of the world.

**APPLICATIONS**

Non metallic compound for rotary connections and proprietary premium self sealing casing/tubing connections. Effective for use on slides, jacking systems, cantilever type rigs and assemblies. Salt Spray Corrosion Protection for up to 1500 hours. 4010® NM is non conductive and resistant to high pH/brine water.

**TECHNICAL DATA**

BESTOLIFE® 4010® NM is the fourth generation of the highly successful BESTOLIFE® family of compounds designed with biodegradable greases and synthetic lubricating fluids, developed to address the environmental concerns related to the use of thread compounds for rotary-shouldered and premium connections, in ecologically sensitive areas  
(Continued on back)

**PACKAGING**

PRODUCT NUMBER	CONTAINER SIZE	CONTAINER WEIGHT
658010	1 gallon	10 pounds plastic
658030	3 1/2 gallon	30 pounds plastic
658051	5 gallon	44 pounds metal

Note: All package sizes are not listed. Call your sales representative for a complete listing.



# BESTOLIFE® 4010® NM

(continued from front) of the world such as the North Sea, Nova Scotia, Newfoundland, the South Atlantic, Alaska, and Sakhalin Island. BESTOLIFE® 4010® NM combines the excellent low-temperature application properties of BESTOLIFE® 3010® Ultra with superior downhole galling resistance and enhanced eco-toxicological properties to provide the ideal drill string solution for all rotary-shouldered (drill pipe/tool joints/drill collars) and many proprietary premium self-sealing casing/tubing connection applications, irrespective of offshore drilling location.

- Applies easily to cold, wet connections exposed to seawater in ambient temperatures as low as -40°F/-40°C and yet provides optimum protection in the deepest, hottest holes. Will provide lubrication and protection to 600° F/316° C and the solids will protect to 1,000°F/538° C.
- Has the ability to prevent galling of contact surfaces (including non-magnetic materials) under high bearing loads and to form a continuous gasket between the shoulders of a rotary connection during makeup. This is achieved through the innovative combination of graphite and other non-toxic materials, which interact to form a seal when compressed between seals, threads, and shoulders during makeup to provide performance properties that are equal to the very best heavy metal compounds. This gasket-like seal prevents connection washout, even under high internal fluid pressures and the combined loading of directional drilling, to provide maximum protection in the toughest conditions.
- Meets the performance requirements of many proprietary metal-to-metal seal casing/tubing and high interference connection designs in Carbon Steel, 13 Cr., Super-Chrome and Duplex Steels.
- Contains biodegradable greases and synthetic lubricating fluids
- Approved running compound for VAM® connections. For more details, recommendations per type of connection, material and conditions of use, please refer to the VAM® recommended compound chart: <http://www.vamservices.com/library/files/Table%20of%20Running%20Compounds.pdf> or liaise with your nearest VAM® contact.
- Conforms with API RP 5A3.
- Provides superior protection for the threaded connections of OCTG's during transit and long term storage.
- Meets the current OSPAR Commission Harmonised Mandatory Control Scheme (HOCNF) regulations for the protection of the marine environment of the North-East Atlantic/ North Sea.
- Registered in 2008 for use in the UK/Netherlands as an OCNS Group E Clemechal and in Norway as a Colour Category Yellow Pipe Dope.
- Registered in the Danish Produktregistret with PR-No. (Product Registration Number) 2068624.

## NOTES

A safety data sheet is available from the manufacturer. Do not use on oxygen lines or in oxygen enriched atmospheres.

