

# Novus Sealing Ltd

## MATERIAL SAFETY DATA SHEET

PRODUCT SAFETY DATA SHEET FOR: Novus Bolt Lube

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ISSUE DATE: 22/01/10

Issue Number 2

### 1: IDENTIFICATION OF THE SUBSTANCE / PREPARATION & THE COMPANY

**1.1 Chemical Identification** Novus Bolt Lube

**1.2 Application** Equipment lubrication, lubricant for threaded connections or slides.

**1.3 Company Identification**

Novus Sealing Ltd  
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Cleckheaton  
West Yorkshire  
BD19 4EJ

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### 2: COMPOSITION / INFORMATION ON INGREDIENTS

**2.1 Chemical Description**

Anti-seize (MIL-A-907E) and Lubricant.

<b>2.2 Hazardous Ingredients</b>	<b>Cas No</b>	<b>Wt %</b>	<b>OSHA PEL</b>	<b>Others</b>
Lubricating grease	748692-21-9	60-70	5mg/m3 (as mist)	DMSO to IP346 <3%
Calcium carbonate	471-34-1	8-10	10mg/m3 (as dust)	
Graphite	7440-44-0	8-10	2mg/m3 (as dust)	
Zinc Oxide	1314-13-2	8-10	10mg/m3 (as dust)	
Molybdenum Disulphide	1317-33-5	4-5	Not established	

Novus bolt lube is not classified as hazardous according to the CHIP regulations.

### 3: HAZARD IDENTIFICATION

Main Hazards- Health Effects

Eyes: May cause irritation.

Skin: Possible rash for persons with sensitivity.

Inhalation: Viscous nature may block breathing passages if inhaled.

Ingestion: May cause diarrhoea.

### 4: FIRST AID MEASURES

**4.1 Eye Contact:** Flush with water until all residual material has gone. If irritation persists, seek medical help.

**4.2 Skin Contact:** Wash thoroughly with hand cleanser, followed by soap and water.

**4.3 Ingestion:** Do not induce vomiting. Seek Medical help.

**4.4 Inhalation:** Clear air passage. If respiratory difficulty continues, seek medical help.



**5: FIRE FIGHTING MEASURES**

**5.1 Extinguishing Media** Carbon dioxide, Dry powder, Foam, Sand, Earth and water mist.

**5.2 Unsuitable Extinguishing Media**  
Water Jet.

**5.3 Protection Measures**  
Fire fighters should wear self-contained breathing apparatus as a precaution.

**6: ACCIDENTAL RELEASE MEASURES**

**6.1 Personal Precautions**  
Recommendations given in section 8.

**6.2 Environmental Precautions**  
Waste disposal, see section 13.

**6.3 Cleaning Up**  
Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, soak up remaining residue with inert material such as diatomaceous earth or sand.

**7: STORAGE AND HANDLING**

**7.1 Storage**  
Do not store at elevated temperatures.

**7.2 Recommended Shelf Life**  
Indefinite if stored correctly.

**7.3 Handling**  
No special handling precautions necessary.

**8: EXPOSURE CONTROL / PERSONAL PROTECTION**

**8.1 Occupational Exposure Limits**  
Not applicable

**8.2 Engineering Measures**  
Not applicable

**8.3 Personal Protective Equipment**  
**Respiratory Protection**  
Not applicable  
**Hand Protection**  
Wear cotton or rubber gloves.  
**Eye Protection**  
Use approved eye protection, if applied to parts in motion.  
**Skin Protection**  
Wear overalls.

**9: PHYSICAL / CHEMICAL PROPERTIES**

<b>9.1</b>	<b>Appearance</b>	Grey semisolid paste.
<b>9.2</b>	<b>Odour</b>	Petroleum
<b>9.3</b>	<b>PH</b>	Neutral.
<b>9.4</b>	<b>Boiling Point</b>	316 Deg C.
<b>9.5</b>	<b>Melting Point</b>	232 Deg C.
<b>9.6</b>	<b>Flash Point (PMCC)</b>	221 Deg C.
<b>9.7</b>	<b>Auto Ignition Temperature</b>	260 Deg C
<b>9.8</b>	<b>Explosive Properties</b>	0.9%
<b>9.9</b>	<b>Vapour Pressure</b>	<0.01
<b>9.10</b>	<b>Relative Density</b>	1.19 Kg/dm <sup>3</sup>
<b>9.11</b>	<b>Solubility</b>	Slightly soluble in water.
<b>9.12</b>	<b>UEL</b>	7%
<b>9.13</b>	<b>Evaporation Rate (Butyl Acetate)</b>	<0.01
<b>9.14</b>	<b>Partition Coefficient (Low Pow)</b>	Not applicable
<b>9.15</b>	<b>Percent Volatiles</b>	Nil
<b>9.16</b>	<b>Flammability</b>	Not flammable at ambient temperature.
<b>9.17</b>	<b>Oxidising Properties</b>	None.
<b>9.18</b>	<b>Vapour Density</b>	>5
<b>9.19</b>	<b>OAR Value</b>	Not applicable

**10: STABILITY AND REACTIVITY**

<b>10.1</b>	<b>Stability</b>	Chemically stable under normal conditions. No photo reactive agents.
<b>10.2</b>	<b>Conditions to Avoid</b>	Powerful sources of ignition and extreme temperatures.
<b>10.3</b>	<b>Materials to Avoid</b>	Strong inorganic and organic acids, oxidising agents.
<b>10.4</b>	<b>Hazardous Decomposition Products</b>	Burning generates smoke, airborne soot, hydrocarbons and oxides of carbon and sulphur. Residue mainly comprised of soot and metal oxides.

**11: TOXICOLOGICAL INFORMATION**

<b>11.1</b>	<b>Acute Toxicity</b>	Not known.
	<b>Irritancy-Skin</b>	Very mild.
	<b>Skin Sensitisation</b>	Not known.
	<b>Subacute/Sub-chronic Toxicity</b>	Not known.
	<b>Genotoxicity</b>	None known.
	<b>EC classification (67/548/EEC)</b>	No
	<b>Allergens</b>	None known

**11.1 cont**

<b>Carcinogen NTP</b>	No
<b>IARC</b>	No
<b>OSHA</b>	No
<b>Chronic Toxicity</b>	Not known
<b>LC-50</b>	>2000-mg/l extrapolated from component data
<b>LD-50</b>	Not applicable

**12: ECOLOGICAL INFORMATION**

**12.1 Possible Effects:** In extreme cases, may generate oil fractions that could act as a marine pollutant. Potential of this occurrence is highly unlikely.  
**Behaviour:** Relatively well behaved. Bioaccumulation potential nil.  
**Environmental Fate:** Highly unlikely to cause widespread contamination. Non toxic to marine or land organisms.

**13: DISPOSAL CONSIDERATIONS**

Product Disposal: Do not incinerate. Contact waste disposal company or local authority for advice.  
 Container Disposal: Pails – see product disposal section above.

**14: TRANSPORT INFORMATION**

Not classified as hazardous for transport.

**15: REGULATORY INFORMATION**

<b>Labelling Information</b>	Not applicable.
<b>EC Annex 1 classification</b>	Not applicable.
<b>Risk Phrases</b>	Not applicable.
<b>Safety Phrases</b>	Not applicable.

**16: OTHER INFORMATION**

**NOTE: This Data Sheet does not constitute a users assessment of workplace risk as required by HSW act, COSHH, Management of Health and Safety at Work regulations or other Health and Safety legislation.**

**Further information and relevant advice can be found in:-**

**Health and Safety at Work Act 1974**

**The Control of Substances Hazardous to Health Regulations 1988**

**NOTE: The information contained in this Safety Data Sheet is based on the present state of knowledge and current national legislation.**

**It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.**