

Novus Sealing Ltd

MATERIAL SAFETY DATA SHEET

PRODUCT SAFETY DATA SHEET FOR: Novus Bolt Lube

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ISSUE DATE: 20/08/07

Issue Number 1

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 3UJ

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2: COMPOSITION / INFORMATION ON INGREDIENTS

2.1 Chemical Description

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

2.2 Hazardous Ingredients	Cas No	Wt %	OSHA PEL	Others
Lubricating grease	748692-21-9	60-70	5mg/m ³ (as mist)	DMSO to IP346 <3%
Calcium carbonate	471-34-1	8-10	10mg/m ³ (as dust)	
Graphite	7440-44-0	8-10	2mg/m ³ (as dust)	
Zinc Oxide	1314-13-2	8-10	10mg/m ³ (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

9.1	Appearance	Grey semisolid paste.
9.2	Odour	Petroleum
9.3	PH	Neutral.
9.4	Boiling Point	316 Deg C.
9.5	Melting Point	232 Deg C.
9.6	Flash Point (PMCC)	221 Deg C.
9.7	Auto Ignition Temperature	260 Deg C
9.8	Explosive Properties	0.9%
9.9	Vapour Pressure	<0.01
9.10	Relative Density	1.19 Kg/dm3
9.11	Solubility	Slightly soluble in water.
9.12	UEL	7%
9.13	Evaporation Rate (Butyl Acetate)	<0.01
9.14	Partition Coefficient (Low Pow)	Not applicable
9.15	Percent Volatiles	Nil
9.16	Flammability	Not flammable at ambient temperature.
9.17	Oxidising Properties	None.
9.18	Vapour Density	>5
9.19	OAR Value	Not applicable

10: STABILITY AND REACTIVITY

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

11: TOXICOLOGICAL INFORMATION

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

11.1 cont

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

Labelling Information	Not applicable.
EC Annex 1 classification	Not applicable.
Risk Phrases	Not applicable.
Safety Phrases	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.