

# MATERIAL SAFETY DATA SHEET

<p><b>WHMIS HAZARD INDEX: D2A</b></p> <p>0    INSIGNIFICANT          1    SLIGHT          2    MODERATE          3    HIGH          4    EXTREME</p>	<p><b>PRODUCT CODE:</b></p> <p>FIRE                    1          REACTIVITY         0          SPECIAL              0          TOXICITY             1</p>																
<p><b>SECTION 1      LOCATION</b></p> <p style="padding-left: 40px;">TOPCO OILSITE PRODUCTS LTD.          BAY 5, 3401 – 19 STREET N.E.          CALGARY, ALBERTA          CANADA T2E 6S8</p> <p style="padding-left: 40px;">PHONE (403) 219-0255          FAX (403) 291-3042</p> <hr/> <p><b>TRADE NAME: TUF-LON INDUSTRIAL COMPOUND</b>  <b>MATERIAL USE: LUBRICATE &amp; SEAL PIP THREADS</b></p>	<p><b>SECTION 6      TOXICOLOGY</b></p> <p><b>ROUTE OF ENTRY:</b>          SKIN &amp; EYE CONTACT</p> <p><b>CHRONIC EFFECTS:</b>          MAY CAUSE IRRITATION AND POSSIBLE DERMATITIS IN SENSITIVE INDIVIDUALS</p> <p><b>ACUTE TOXICOLOGY:</b>          NO DATA AVAILABLE</p>																
<p><b>SECTION 2      HAZARDOUS INGREDIENTS</b></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;"><u>COMPOSITION</u></th> <th style="text-align: center; border-bottom: 1px solid black;"><u>APPROX. CONCENTRATION</u></th> <th style="text-align: center; border-bottom: 1px solid black;"><u>C.A.S.</u></th> <th style="text-align: center; border-bottom: 1px solid black;"><u>EXP.LIMITS</u></th> </tr> </thead> <tbody> <tr> <td>GRAPHITE</td> <td style="text-align: center;">5 – 15%</td> <td style="text-align: center;">7782-42-5</td> <td style="text-align: center;">N/A</td> </tr> <tr> <td>PTFE/UHMW</td> <td style="text-align: center;">15 – 30%</td> <td style="text-align: center;">9002-84-0</td> <td style="text-align: center;">N/A</td> </tr> <tr> <td>TALC</td> <td style="text-align: center;">5 – 15%</td> <td style="text-align: center;">1480-7966</td> <td style="text-align: center;">N/A</td> </tr> </tbody> </table> <hr/> <p><b>SECTION 3      CHEMICAL &amp; PHYSICAL PROPERTIES</b></p> <p><b>NAME:</b>          PETROLEUM HYDROCARBON WITH ADDITIVES</p> <p><b>ODOR:</b>          MILD PETROLEUM</p> <p><b>COLOR:</b>          BLACK PASTE</p> <p><b>PHYSICAL STATE:</b>          SEMI-SOLID</p> <p><b>SPECIFIC GRAVITY:</b>          1.10 g./c.c.</p> <p><b>BOILING POINT:</b>          260°C+ (500°F)</p> <p><b>SOLUBILITY:</b>          NONE</p>	<u>COMPOSITION</u>	<u>APPROX. CONCENTRATION</u>	<u>C.A.S.</u>	<u>EXP.LIMITS</u>	GRAPHITE	5 – 15%	7782-42-5	N/A	PTFE/UHMW	15 – 30%	9002-84-0	N/A	TALC	5 – 15%	1480-7966	N/A	<p><b>SECTION 7      PREVENTION MEASURES</b></p> <p><b>GLOVES:</b>          RUBBER OR CLOTH</p> <p><b>EYE PROTECTION:</b>          GOGGLES RECOMMENDED</p> <p><b>VENTILATION:</b>          LOCAL EXHAUST</p> <p><b>RESPIRATORY PROTECTION:</b>          NONE REQUIRED</p> <p><b>LEAK &amp; SPILL PROCEDURE:</b>          PREVENT MATERIAL FROM ENTERING WATERCOURSES BY CONTAINING WITH SAND OR EARTH.</p> <p><b>WASTE DISPOSAL:</b>          DISPOSE IN COMPLIANCE WITH GOVERNMENT REGULATIONS AND LOCAL REQUIREMENTS.</p> <p><b>STORAGE REQUIREMENTS:</b>          COOL, DRY AREA, AWAY FROM SOURCES OF HEAT</p>
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<p><b>SECTION 4      FIRE &amp; EXPLOSION HAZARDS</b></p> <p><b>PROCEDURES:</b>          USE WATER ONLY AS A FOG. FIRE FIGHTERS SHOULD USE SELF-CONTAINED BREATHING APPARATUS WITH FULL FACE PIECE OPERATED IN POSITIVE PRESSURE DEMAND.</p> <p><b>UNUSUAL FIRE &amp; EXPLOSION HAZARDS:</b>          NONE</p> <p><b>FLASH POINT:</b>          GREATER THAN 171°C (340°F) ASTM D-92</p> <p><b>EXTINGUISHING AGENTS:</b>          DRY CHEMICAL, WATERFOG, CO2, FOAM, SAND/EARTH</p>	<p><b>SECTION 8      FIRST AID MEASURES</b></p> <p><b>SKIN:</b>          WASH THOROUGHLY WITH SOAP AND WARM WATER</p> <p><b>EYE:</b>          FLUSH WITH WATER FOR AT LEAST 15 MINUTES</p> <p><b>INHALATION:</b>          VAPOR PRESSURE IS NEGLIGIBLE. REMOVE VICTIM FROM FURTHER EXPOSURE</p> <p><b>INGESTION:</b>          DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION IMMEDIATELY.</p>																
<p><b>SECTION 5      REACTIVITY DATA</b></p> <p><b>CHEMICAL STABILITY:</b>          YES</p> <p><b>INCOMPATIBILITY:</b>          STRONG OXIDIZING AGENTS</p> <p><b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>          CARBON MONOXIDE &amp; CARBON DIOXIDE</p>	<p><b>SECTION 9      PREPARATION DATE</b></p> <p>PREPARED BY: ALAN S. HUEHN          GENERAL MANAGER          TOPCO OILSITE PRODUCTS LTD.</p> <p>DATE: August 1, 2009</p> <p><b>PRODUCT NOT TDG REGULATED AS PER WHMIS STANDARD.</b></p>																

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