

# 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>TOPCO OILSITE PRODUCTS LTD.          BAY 5, 3401 – 19 STREET N.E.          CALGARY, ALBERTA          CANADA T2E 6S8</p> <p>PHONE (403) 219-0255          FAX     (403) 291-3042</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>TRADE NAME:      SUB-ZERO A.P.I. MODIFIED</b>  <b>MATERIAL USE:    LUBRICANT &amp; SEAL 8 ROUND PIPE THREADS</b></p>	<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>																				
<p><b>SECTION 2      HAZARDOUS INGREDIENTS</b></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>COMPOSITION</u></th> <th style="text-align: center;"><u>APPROX. CONCENTRATION</u></th> <th style="text-align: center;"><u>C.A.S.</u></th> <th style="text-align: center;"><u>EXP.LIMITS</u></th> </tr> </thead> <tbody> <tr> <td>COPPER DUST</td> <td style="text-align: center;">1 – 5%</td> <td style="text-align: center;">1317-38-0</td> <td style="text-align: center;">N/A</td> </tr> <tr> <td>GRAPHITE</td> <td style="text-align: center;">15 – 25%</td> <td style="text-align: center;">7782-42-5</td> <td style="text-align: center;">N/A</td> </tr> <tr> <td>POWDERED LEAD</td> <td style="text-align: center;">25 – 40%</td> <td style="text-align: center;">7439-92-1</td> <td style="text-align: center;">N/A</td> </tr> <tr> <td>ZINC DUST</td> <td style="text-align: center;">10 – 25%</td> <td style="text-align: center;">7440-66-6</td> <td style="text-align: center;">N/A</td> </tr> </tbody> </table>	<u>COMPOSITION</u>	<u>APPROX. CONCENTRATION</u>	<u>C.A.S.</u>	<u>EXP.LIMITS</u>	COPPER DUST	1 – 5%	1317-38-0	N/A	GRAPHITE	15 – 25%	7782-42-5	N/A	POWDERED LEAD	25 – 40%	7439-92-1	N/A	ZINC DUST	10 – 25%	7440-66-6	N/A	<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>
<u>COMPOSITION</u>	<u>APPROX. CONCENTRATION</u>	<u>C.A.S.</u>	<u>EXP.LIMITS</u>																		
COPPER DUST	1 – 5%	1317-38-0	N/A																		
GRAPHITE	15 – 25%	7782-42-5	N/A																		
POWDERED LEAD	25 – 40%	7439-92-1	N/A																		
ZINC DUST	10 – 25%	7440-66-6	N/A																		
<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>          COPPER PASTE</p> <p><b>PHYSICAL STATE:</b>          SEMI-SOLID</p> <p><b>SPECIFIC GRAVITY:</b>          1.8 g./c.c.</p> <p><b>BOILING POINT:</b>          260°C+ (500°F)</p> <p><b>SOLUBILITY:</b>          NONE</p>	<p><b>SECTION 9      PREPARATION DATE</b></p> <p>PREPARED BY:    ALAN S. HUEHN                                   GENERAL MANAGER                                   TOPCO OILSITE PRODUCTS LTD.</p> <p>DATE:                    March 1, 2011</p> <p><b>PRODUCT NOT TDG REGULATED AS PER WHMIS STANDARD.</b></p>																				
<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 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, CARBON DIOXIDE, OXIDES OF LEAD &amp; ZINC</p>																					
<p>THE DATA PRESENTED HEREIN IS BELIEVED ACCURATE FOR THE SPECIFIC MATERIAL BUT IS IN NO WAY GUARANTEED. THE INFORMATION HEREIN MAY NOT BE APPLICABLE IF THE SPECIFIC MATERIAL IS USED IN COMBINATION WITH OTHER MATERIAL. TOPCO SALES ASSUMES NO RESPONSIBILITY AND MAKES NO WARRANTY IN CONNECTION WITH ANY USE FOR THE SPECIFIC MATERIAL. OTHER OR ADDITIONAL SAFETY MEASURES TO THOSE INDICATED MAY BE REQUIRED. THE USER, THEREFORE, ASSUMES FULL RESPONSIBILITY, BOTH AS TO PERSONS AND AS TO PROPERTY, FOR THE USE OF THESE MATERIALS.</p>																					