



## MATERIAL SAFETY DATA SHEET

SECTION I PRODUCT INFORMATION		
<b>Product Name:</b>	COKE (PRODUCTS)	
<b>Material Type:</b>	Metallurgical Coke	
<b>Product Use:</b>	Fuel	
<b>Manufacture's Name &amp; Address:</b>	<b>ESSAR Steel Algoma Inc.</b> 105 West Street Sault Ste. Marie Ontario, Canada P6A 7B4	
<b>Emergency Phone Numbers:</b>	(705) 945-4058 (8:00 am - 4:00 pm) (705) 945-2271(after hours)	<b>Revision Date:</b> <b>August 4, 2010</b>
<b>WHMIS Class:</b>	D <sub>2</sub>	
<b>TDG Information:</b>	N/A	

SECTION II INGREDIENT LISTING					
			*TWAEV Ontario Regulation (833)	Toxicity	
Ingredient:	CAS. No.	%	(*PPM/mg/m <sup>3</sup> )	LD50	LC50
Carbon	7440-44-0	90	10 mg/m <sup>3</sup>	440 mg/kg	N/A
Ash	N/A	8	N/A	N/A	N/A
Silicon Dioxide	7440-21-3	4	10 mg/m <sup>3</sup>	N/A	N/A
Aluminum Oxide	1344-28-1	2	10 mg/m <sup>3</sup>	N/A	N/A
Volatile Matter (<.01% CTPV*)	NA	2	N/A	N/A	N/A
Iron Oxide	1309-37-1	1	5 mg/m <sup>3</sup>	7500 mg/kg	N/A

- \* TWAEV = Time Weighted Average Exposure Value
- \*PPM = Parts Per Million
- \*mg/m<sup>3</sup> = Milligrams Per Cubic Metre
- \* CTPV = Coal Tar Pitch Volatiles

SECTION III PHYSICAL DATA			
<b>Physical State:</b>	Solid	<b>PH:</b>	N/A
<b>Boiling Point: (<sup>0</sup>C)</b>	N/A	<b>Specific Gravity(H<sub>2</sub>O =1):</b>	1.6
<b>Melting Point: (<sup>0</sup>C)</b>	N/A	<b>% Volatile by Volume:</b>	N/A
<b>Vapour Pressure: (mmHg)</b>	N/A	<b>Evaporation Rate:</b>	N/A
<b>Vapour Density: (Air =1)</b>	N/A	<b>Appearance &amp; Odour:</b>	Black Granular Solid No Odour
<b>Solubility in H<sub>2</sub>O:</b>	Insoluble	<b>Coefficient Water/Oil Distribution</b>	N/A

SECTION IV FIRE AND EXPLOSION HAZARD DATA						
<b>Flammable:</b>	<b>YES:</b>		<b>NO:</b>	<b>X</b>	<b>Flash Point: (<sup>0</sup>C) Closed Cup:</b>	<b>N/A</b>
<b>Flammable Limits:</b>	<b>LEL:</b>	N/A	<b>UEL:</b>	N/A		
<b>Extinguishing Media:</b>	Water					
<b>Susceptibility to Mechanical Impact: or Static Discharge:</b>	N/A					
<b>Fire Fighting Procedures:</b>	Use water to extinguish.					

SECTION V REACTIVITY DATA	
<b>Stability:</b>	Stable
<b>Incompatible Materials:</b>	N/A
<b>Decomposition Products:</b>	Oxides of Carbon.

SECTION VI TOXICOLOGICAL INFORMATION	
<b>Acute Effects:</b>	Overexposure to dust may cause upper respiratory irritation. May cause abrasive eye or skin irritation.
<b>Chronic Effects:</b>	Prolonged exposure to dust may cause upper respiratory irritation.



<b>SECTION VII FIRST AID MEASURES</b>	
<b>Inhalation:</b>	Remove to fresh air. Contact medical aid if irritation persists.
<b>Skin Contact:</b>	Wash exposed skin with soap and water.
<b>Eye Contact:</b>	Flush eyes with water for 15 minutes. Contact medical aid if irritation persists.
<b>Ingestion:</b>	Do not take internally. Contact medical aid if irritation persists.

<b>SECTION VIII PREVENTIVE MEASURES</b>	
<b>Respiratory Protection:</b>	Use NIOSH approved respiratory protection for dusty conditions.
<b>Protective Gloves/Clothing:</b>	Cloth or leather work gloves.
<b>Eye Protection:</b>	Use dust goggles for dusty conditions.
<b>Ventilation:</b>	Use with adequate ventilation.
<b>Spill Cleanup:</b>	Wet sweep or vacuum material and place in container for reuse or disposal.
<b>Waste Disposal:</b>	Dispose of material per applicable environmental legislation.
<b>Handling/Storage:</b>	No special requirements.

<b>SECTION IX SPECIAL PRECAUTIONS</b>
None

<b>SECTION X PREPARATION INFORMATION</b>	
<b>Prepared by:</b> <b>ESSAR Steel Algoma Inc.</b> <b>Occupational Health and Safety Department</b>	<b>MSDS Inquiries</b> <b>Phone: (705) 945-4058</b>

U = Unknown  
 N/A = Not applicable