



MATERIAL SAFETY DATA SHEET

SECTION I PRODUCT INFORMATION		
Product Name:	COKE (PRODUCTS)	
Material Type:	Metallurgical Coke	
Product Use:	Fuel	
Manufacture's Name & Address:	ESSAR Steel Algoma Inc. 105 West Street Sault Ste. Marie Ontario, Canada P6A 7B4	
Emergency Phone Numbers:	(705) 945-4058 (8:00 am - 4:00 pm) (705) 945-2271(after hours)	Revision Date: August 13, 2007
WHMIS Class:	D ₂	
TDG Information:	N/A	

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

- * TWAEV = Time Weighted Average Exposure Value
- *PPM = Parts Per Million
- *mg/m³ = Milligrams Per Cubic Metre
- * CTPV = Coal Tar Pitch Volatiles



SECTION III PHYSICAL DATA			
Physical State:	Solid	PH:	N/A
Boiling Point: (⁰C)	N/A	Specific Gravity(H₂O =1):	1.6
Melting Point: (⁰C)	N/A	% Volatile by Volume:	N/A
Vapour Pressure: (mmHg)	N/A	Evaporation Rate:	N/A
Vapour Density: (Air =1)	N/A	Appearance & Odour:	Black Granular Solid No Odour
Solubility in H₂O:	Insoluble	Coefficient Water/Oil Distribution	N/A

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

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

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



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

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

SECTION IX SPECIAL PRECAUTIONS	
None	

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

U = Unknown
 N/A = Not applicable