



MATERIAL SAFETY DATA SHEET

SECTION I PRODUCT INFORMATION		
Product Name:	TAR (COKE OVEN)	
Material Type:	BY-PRODUCT	
Product Use:	CHEMICAL INTERMEDIATE	
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 - 5:00 pm) (705) 945-2275 (after hours)	Revision Date: August 14, 2007
WHMIS Class:	D ₂	
TDG Information:	Class III (PIN #1364)	

SECTION II INGREDIENT LISTING					
			*TWAEV Ontario Regulation (833)	Toxicity	
Ingredient:	CAS. No.	%	(*PPM/mg/m ³)	LD50	LC50
Coal Tar Pitch Volatiles	65996-93-2	64	0.2 mg/m ³	N/A	N/A
Coke Oven Distillate	N/A	21	N/A	N/A	N/A
Naphthalene	91-20-3	15	10 PPM	1780 mg/kg	N/A

* TWAEV = Time Weighted Average Exposure Value
 *PPM = Parts Per Million
 *mg/m³ = Milligrams Per Cubic Metre



SECTION III PHYSICAL DATA			
Physical State:	Liquid	PH:	N/A
Boiling Point: (⁰C)	66	Specific Gravity(H₂O =1):	1.2
Melting Point: (⁰C)	N/A	% Volatile by Volume:	N/A
Vapour Pressure: (mmHg)	N/A	Evaporation Rate:	N/A
Vapour Density: (Air =1)	>1	Appearance & Odour:	Black Viscous Liquid Naphthalene Odour
Solubility in H₂O:	Slight	Coefficient Water/Oil Distribution	N/A

SECTION IV FIRE AND EXPLOSION HAZARD DATA						
Flammable:	YES:		NO:	X	Flash Point: (⁰C) Closed Cup:	>200
Flammable Limits:	LEL:	N/A	UEL:	N/A		
Extinguishing Media:	Water Fog or dry chemical.					
Susceptibility to Mechanical Impact: or Static Discharge:	N/A					
Fire Fighting Procedures:	Fire fighters should wear self-contained breathing apparatus.					

SECTION V REACTIVITY DATA	
Stability:	Stable
Incompatible Materials:	Strong Oxidizers
Decomposition Products:	Oxides of Carbon and Nitrogen.

SECTION VI TOXICOLOGICAL INFORMATION
Acute Effects: Can cause skin irritation. Existing skin disorders (e.g. eczema) may be aggravated by exposure to this material. May cause eye irritation. Inhalation of mist or vapor can irritate the respiratory tract. Ingestion can cause severe gastrointestinal tract irritation with nausea, vomiting. It may also affect behavior/central nervous system and cause central nervous system depression. Aspiration can cause lung inflammation and damage.
Chronic Effects: Prolonged or repeated exposure to coal tar may cause irritation and dermatitis (including acne), skin cancer or photosensitization dermatitis.



SECTION VII FIRST AID MEASURES	
Inhalation:	Remove to fresh air. Seek medical aid if irritation persists.
Skin Contact:	Wash with soap and water, avoid sunlight, seek medical aid if irritation persists.
Eye Contact:	Flush with water for 15 minutes. Seek medical aid immediately.
Ingestion:	Do not take internally. Do not induce vomiting. Seek medical aid immediately.

SECTION VIII PREVENTIVE MEASURES	
Respiratory Protection:	Use NIOSH approved respiratory protection.
Protective Gloves/Clothing:	Use Solvex gloves.
Eye Protection:	Use chemical splash goggles for splash hazards.
Ventilation:	Use with adequate ventilation.
Spill Cleanup:	Contain spill. Wear proper protective clothing and scoop up material for disposal.
Waste Disposal:	Dispose of waste material per applicable environmental legislation.
Handling/Storage:	Store in cool, well ventilated area away from sources of ignition.

SECTION IX SPECIAL PRECAUTIONS
Material has been classed by I.A.R.C. and the A.C.G.I.H. as a confirmed human carcinogen. Avoid prolonged or repeated contact with skin. Heated product may produce flammable vapours in confined areas.

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