



MATERIAL SAFETY DATA SHEET

I - PRODUCT INFORMATION

PRODUCT NAME:	LIGHT OIL	Reference No. 1003
		Date: November 1, 2004
MATERIAL TYPE:	BY-PRODUCT	
MANUFACTURER'S NAME & ADDRESS:	Algoma Steel Inc. 105 West Street Sault Ste. Marie, Ontario, Canada P6A 7B4	
EMERGENCY PHONE NUMBERS:	(705) 945-4058 (8:00 a.m. - 5:00 p.m.) (705) 945-2275 (after hours)	
WHMIS CLASS:	B2, D1, D2	

II - INGREDIENT LISTING

Components	CAS. No.	Maximum %	TWA (mg/m ³)	Toxicity	
				LD50	LC50
Benzene	71-43-2	71	1ppm	930mg/kg	13,700ppm
Toluene	108-88-3	13	100ppm	<870mg/kg	8800ppm
Naphthalene	91-20-3	4.5	10ppm	533mg/kg	N/A
Ethyl Benzene	100-41-4	2.8	100ppm	3500mg/kg	N/A
Indene	95-13-6	2.8	10ppm	N/A	N/A
Xylene	1330-20-7	2.8	100ppm	5400mg/kg	6350ppm
Styrene	100-42-5	1.9	50ppm	5000mg/kg	5640ppm
Carbon Disulfide	75-15-0	0.4	10ppm	3020mg/kg	2300ppm
Hydrogen Cyanide	74-90-8	<.1	C4.7ppm	3.7mg/kg	484ppm

III - PHYSICAL DATA

Physical State:	Liquid	pH:	N/A
Boiling Point (°C):	80	Specific Gravity (H₂O = 1):	0.9
Melting Point (°C):	5.5	% Volatile by Volume:	> 90
Vapour Pressure (mmHg):	100 @ 26°C	Evaporation Rate:	1 (Carbon Tet.=1)
Vapour Density (Air = 1):	2.77	Appearance & Odour:	Yellow Liquid. Sweet Odour.
Solubility in H₂O:	N/A		

IV - FIRE AND EXPLOSION HAZARD DATA

Flammable: Yes (X) No ()
Flash Point: -11°C (Closed Cup)
Flammable Limits in Air, % by Volume: LEL: 1.4 UEL: 8.0
Extinguishing Media: Carbon Dioxide, Dry Chemical or Foam

Fire Fighting Procedures: Fire Fighters must wear self-contained breathing apparatus.
Do not cut, weld or burn on drums or containers.

V - REACTIVITY DATA

Stability: Stable
Conditions Contributing to Instability:
Incompatibility (Materials to Avoid): Avoid oxidizing materials, Chlorine, Perchlorates, etc.
Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide and Hydrogen Cyanide Gas.

VI - HEALTH HAZARD DATA

Routes of Entry:	Effects of Overexposure:
Inhalation:	Irritation to nose, throat and chest. Headache, nausea and dizziness.
Skin Contact:	Irritation, defatting and dermatitis.
Eye Contact:	May cause irritation.
Swallowing:	May cause irritation, burning and vomiting.

VII - FIRST AID MEASURES

Inhalation: Remove to fresh air and give artificial respiration. If required, get medical aid.
Skin Contact: Wash thoroughly with soap and water. Launder contaminated clothing.
Eye Contact: Flush with clean water for 15 minutes. Seek medical aid.
Swallowing: Do not induce vomiting. Seek medical aid immediately.

VIII - PREVENTATIVE MEASURES

Respiratory Protection: Use respirator protection adequate for potential exposure.

Protective Gloves: Use impervious gloves and clothing as required.

Eye Protection: Use face shield or monogoggles for splash hazard.

Ventilation: Use adequate ventilation to prevent overexposure.

Steps to be taken if material released or spilled: Contain spill. Eliminate all sources of ignition.

Waste Disposal Method: Dispose of waste in accordance with existing environmental legislation.

Handling & Storage Requirement: Keep in a cool, well ventilated area. Avoid all sources of ignition. Avoid oxidizing materials. Store in accordance with the requirements of legislation covering storage of flammable liquids.

IX - SPECIAL PRECAUTIONS

Benzene is listed by IARC and ACGIH as a carcinogen.

X - PREPARATION INFORMATION

Department: Environment, Health & Safety **Date:** November 1, 2004

N/A - Not Applicable