

MATERIAL SAFETY DATA SHEET

SECTION I

PRODUCT NAME OR NUMBER (as it appears on label) DARK THREAD CUTTING OIL (462/B)		GM COMMON CODE
MANUFACTURER'S NAME Argent Limited		EMERGENCY TELEPHONE NO. (313) 427-5533
ADDRESS (Number, Street, City, State and Zip Code) 11966 Brookfield, Livonia, Michigan 48150		MANUFACTURER'S D-U-N-S NO. 08-429-7621
HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZARD CLASS, HAZARD ID NO. (49 CFR 172.101) Petroleum Oil No1		
ADDITIONAL HAZARD CLASSES (as applicable)		
CHEMICAL FAMILY Petroleum Oil	FORMULA Proprietary	

SECTION II — INGREDIENTS (list all ingredients)

CAS REGISTRY NO.	%W	%V	CHEMICAL NAME(S)	Listed as a Carcinogen in NTP, IARC or OSHA 1910(z) (specify)
INGREDIENTS CONSIDERED HAZARDOUS(*)				
69-029-750	30-40		Mineral Oil *	No
68425-16-1	5-10		Tert-nonyl sulfides	No
61790-49-6	5-10		Sulfurized hydrocarbon	No
64742-52-5	20-40		Hydrotreated heavy naphthenic distillate*	No
			*5mg/m ³ ACGIH TLV and OSHA PEL for Mineral oils mists	

SECTION III — PHYSICAL DATA

BOILING POINT 550°F °C	SPECIFIC GRAVITY (H ₂ O = 1) .89		
VAPOR PRESSURE @ 60°F °C 5 mm Hg <input type="checkbox"/> psi	PERCENT VOLATILE BY VOLUME (%) 0	PERCENT SOLID BY WEIGHT (%) 0	
VAPOR DENSITY (AIR = 1) <1	EVAPORATION RATE (= 1)		
SOLUBILITY IN WATER Nil	pH =	N/A	
APPEARANCE AND ODOR Dark Brown Liquid	IS MATERIAL: LIQUID SOLID GAS PASTE POWDER		

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

FLASH POINT 320°F °C method used	COC	FLAMMABLE LIMITS	LEL	UEL
EXTINGUISHING MEDIA Foam or dry chemical preferred, CO ₂ acceptable				
SPECIAL FIRE FIGHTING PROCEDURES Use self-contained breathing apparatus in confined areas				
UNUSUAL FIRE AND EXPLOSION HAZARDS None				

(*) SEE BACK PAGE

SECTION V-HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE — Conditions to Avoid	THRESHOLD LIMIT VALUE <input type="checkbox"/>
Avoid breathing oil as mist	PERMISSIBLE EXPOSURE LIMIT <input checked="" type="checkbox"/> 5mg/m ³ as mist
	OTHER LIMIT <input type="checkbox"/>
PRIMARY ROUTES OF ENTRY Inhalation <input type="checkbox"/> Skin Contact <input type="checkbox"/> Other (specify)	
EMERGENCY AND FIRST AID PROCEDURES	
SKIN: wash with soap and water. EYES: flush with water until irritation subsides. INGESTION: obtain medical assistance.	

SECTION VI-REACTIVITY DATA

STABILITY	UNSTABLE	<input checked="" type="checkbox"/>	CONDITIONS TO AVOID
	STABLE		Strong oxidizers, strong bases
INCOMPATIBILITY (materials to avoid) Carbon monoxide, hydrogen sulfide, chlorine, sulfur			
HAZARDOUS DECOMPOSITION PRODUCTS:			
HAZARDOUS POLYMERIZATION	MAY OCCUR	<input checked="" type="checkbox"/>	CONDITIONS TO AVOID
	WILL NOT OCCUR		

SECTION VII-SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
liquid. Incinerate or dispose in an approved manner.	Contain spill with inert material, recover free
WASTE DISPOSAL METHOD Flotation and recovery	
CERCLA (Superfund) REPORTABLE QUANTITY (in lbs)	
RCRA HAZARDOUS WASTE NO. (40 CFR 261.33)	
VOLATILE ORGANIC COMPOUND (VOC) (as packaged, minus water)	
<input type="checkbox"/> Theoretical _____ lb/gal	<input type="checkbox"/> Analytical _____ lb/gal

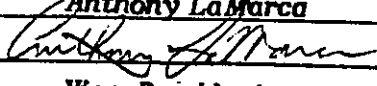
SECTION VIII-SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type) None normally required		
VENTILATION	LOCAL EXHAUST (Specify Rate) 60 CFM	SPECIAL
	MECHANICAL (General) (Specify Rate)	OTHER
PROTECTIVE GLOVES (specify type) PVC		EYE PROTECTION (specify type) Goggles or safety glasses
OTHER PROTECTIVE EQUIPMENT		

SECTION IX-SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
Keep container closed when not in use. Store away from open flame and intense heat source.	
OTHER PRECAUTIONS Remove oil saturated clothing and wash thoroughly before re-use.	

(*) This product complies with 29 CFR Part 1910, Subpart Z, Toxic and Hazardous Substances, Occupational Safety and Health Administration (OSHA), 29 CFR 1910.1200 Federal Register 48, 53280-53348, 25 November 1983. This product also complies with the State of Michigan Occupational Safety and Health Act of 1974, as amended.

Name (print)	Anthony LaMarca
Signature	
Title	Vice-President
Date	September 15th, 1987