

Tool-X LLC

Material Safety Data Sheet

Material Safety Data Sheet	U.S. DEPARTMENT OF LABOR
MAY BE USED TO COMPLY WITH OSHA'S HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200. STANDARD MUST BE CONSULTED FOR SPECIFIC REQUIREMENTS	OCCUPATIONAL SAFTE AND HEALTH ADMINISTARTION (NONMANDTOR FORM) FORM APPROVED OMB NO. 1218-0072

IDENTITY (AS USED ON LABEL AND LIST) TOOL-X 720 OIL	NOTE; BLANK SPACES ARE NOT PERMITTED. IF ANY ITEM IS NOT APPLICABLE, OR NO INFORMATION IS AVAILABLE, THE SPACE MUST BE MARKED TO INDICATE THAT.
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SECTION I

MANUFACTURER'S NAME EMCO CHEMICAL, INC.	EMERGENCY TELEPHONE NUMBER (313) 894 - 7650
ADDRESS (NUMBER, STREET, CITY, STATE, & ZIP CODE) 4470 LAWTON AVE.	TELEPHONE NUMBER FOR INFORMATION (313) 894 - 7650
DETROIT, MICHIGAN 48208	DATE PREPARED 12/2/2014
	SIGNATURE OF PREPARER(OPTIONAL)

SECTION II HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY; COMMON NAMES)	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED % (OPTIONAL)
PARRAFINIC OIL, CAS # 64742-46-7			
IF MISTED:	5 mg/m³	5 mg/m³	

SECTION III.COMPOSITION/INFORMATION ON INGREDIENTS

Tool-X Oil Lubricant Concentrate within Oil base Fluid 1-5% of total volume	
Vegetable Oil (Veggie Oil) CAS Number (Proprietary)	Percentage 80-95%
Polymer CAS Number (Polymer exempt)	Percentage 1-15%
Graphitic nanocarbon spherical particles	Percentage 1-5%

Note: This material is non-hazardous as defined by the American OSHA Hazard Communication Standard. Standard 29. CFR 1910.1200. As Defined under Sara 311 and 312, this product contains no know hazardous material.

SECTION IV PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT	N.A.	SPECIFIC GRAVITY (H2O=1)	0.92
VAPOR PRESSURE (MM HG.)	.001	MELTING POINT	N/A
VAPOR DENSITY (AIR=1)	> 1	EVAPORATION RATE (BUTYL ACETATE=1)	100 X SLOWER
SOLUBILITY IN WATER VERY SLIGHT			
APPEARANCE AND ODOR AMBER COLOR, BLAND ODOR.			

SECTION V FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED) 265°F C.O.C.	FLAMMABLE LIMITS 600°F EST.	LEL NOT DET.	UEL NOT DET.
EXTINGUISHING MEDIA DRY CHEM., CO₂, WATER FOG			
SPECIAL FIRE FIGHTING PROCEDURES WEAR SELF-CONTAINED BREATHING APPARATUS WHEN FIGHTING FIRES IN CONFINED PLACES.			
UNUSUAL FIRE AND EXPLOSION HAZARDS CAN BE MADE TO BURN.			

SECTION VI – REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID N/A
	STABLE	X	
INCOMPATIBILITY (MATERIALS TO AVOID) STRONG OXIDIZERS			
HAZARDOUS DECOMPOSITION OR BYPRODUCTS OXIDES OF SULFUR AND CARBON			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID N/A
	WILL NOT OCCUR	X	

SECTION VII-HEALTH HAZARD DATA

ROUTE(S) OF ENTRY;	INHALATION?	SKIN?	X	INGESTION?
HEALTH HAZARDS(ACUTE AND CHRONIC) NO ADVERSE ACUTE OR CHRONIC EFFECTS EXPECTED WHEN USED AS RECOMMENDED.				
CARCINOGENICITY;				
	NTP?	NO	IARC MONOGRAPHS?	NO
			OSHA REGULATED?	NO
SIGNS AND SYMPTOMS OF EXPOSURE THIS IS NOT A PRIMARY SKIN IRRITANT. PROLONGED SKIN CONTACT MAY CAUSE IRRITATION.				
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE				

MAY AGGRAVATE EXISTING SKIN IRRITATION WHERE FURTHER DEFATTING OR SKIN PENETRATION COULD OCCUR.	
EMERGENCY AND FIRST AID PROCEDURES	
EYES: FLUSH WITH COPIOUS AMOUNTS OF WATER. SKIN: WASH WITH SOAP AND WATER.	INGESTION: CONSULT A PHYSICIAN. INHALATION: REMOVE TO FRESH AIR.

SECTION VIII-PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
CONTAIN SPILL. REMOVE WITH GROUNDED SUCTION PUMP TO SALVAGE CONTAINER. DO NOT FLUSH TO SEWERS. COVER WITH ABRASIVE/ABSORBENT MATERIAL TO AVOID SLIPPERY SURFACES.
WASTE DISPOSAL METHOD
TREAT AS OILY WASTE AS LOCAL, STATE, FEDERAL REGULATIONS PERMIT.
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
AVOID HIGH HEAT AND OPEN FLAME.

SECTION VIII-CONTROL MEASURES

RESPIRATORY PROTECTION (<i>SPECIFY TYPE</i>) NONE DEEMED NECESSARY.		
VENTILATION	LOCAL EXHAUST ONLY IF MISTED.	SPECIAL N/A
	MECHANICAL (<i>GENERAL</i>) N/A	OTHER N/A
PROTECTIVE GLOVES OIL/WATER RESISTANT	EYE PROTECTION SAFETY GOGGLES.	
OTHER PROTECTIVE CLOTHING OR EQUIPMENT N/A		
WORK/HYGIENIC PRACTICES GOOD PERSONAL HYGIENE SHOULD ALWAYS BE PRACTICED.		