


MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Starrett Tool & Instrument Oil		DATE: June 25, 2009	
PRODUCT NUMBER: #1620			
TRADE NAME: Starrett Tool & Instrument Oil GENERAL USE: Lubricant CHEMICAL FAMILY: Aliphatic Hydrocarbon Oil PRODUCT DESCRIPTION: Water white to slightly yellow liquid			
MANUFACTURER: William F. Nye, Inc.		DISTRIBUTOR: The L.S. Starrett Company	
ADDRESS (NUMBER, STREET, P.O. BOX): 12 Howland Road		ADDRESS (NUMBER, STREET, P.O. BOX): 121 Crescent St.	
(CITY, STATE AND ZIP CODE): Fairhaven, MA 02719		(CITY, STATE AND ZIP CODE): Athol, MA 01331	
COUNTRY: USA		COUNTRY: USA	
TELEPHONE NUMBER (General Inquiries): (508) 996-6721		TELEPHONE NUMBER (Customer Service): (978) 249-3551	

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SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Components	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 15)
Aliphatic hydrocarbon (white mineral oil) (a)	90 - 100	8042-47-5	232-455-8	NC	Not Classified

(a) Product is not hazardous under normal conditions but could be classified as hazardous if present as oil mist in air.

NOTES: This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS), and European Union Directive 2006/1997/EEC. Hazard symbols and risk phrases are based on maximum listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS) or the European (GHS) directive 2006/1997/EEC and are considered trade secrets under US Federal Law (29CFR and 40CFR), Canadian Law (Health Canada Legislation), and European Union Directive 67/548/EEC

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Liquid, will support combustion. Can cause eye and skin irritation upon contact.

Hazard symbols for this product - Not classified, Risk Phrases - None

SECTION 3 - HAZARDS IDENTIFICATION (Continued)

POTENTIAL HEALTH EFFECTS

INHALATION:

No significant adverse health effects are expected to occur upon short-term exposure. High concentrations of mist may be irritating to the respiratory tract.

SKIN:

No significant irritation is expected to occur upon short-term exposure.; prolonged contact may cause moderate irritation.

EYES:

Minimal irritation and discomfort may result from short-term contact with liquid, mist, and/or vapor.

INGESTION:

Non-toxic; may cause gastric distress, vomiting and diarrhea. DO NOT induce vomiting. Aspiration of vomitus into the lungs must be avoided; minute amounts aspirated into the lungs can produce severe lung injury or death.

CARCINOGENICITY:

NTP? **NO**

IARC MONOGRAPHS? **NO**

OSHA REGULATED? **NO**

CALIFORNIA, Prop.65?

NO

ESIS NOTATION? **NO**

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SECTION 4 - FIRST AID MEASURES

INHALATION:
Remove affected person to fresh air; provide oxygen if breathing is difficult; if affected person is not breathing, administer CPR and seek emergency medical attention.

EYES:
Remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists, seek medical attention.

SKIN:
Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.

INGESTION:
DO NOT induce vomiting; if vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs; seek immediate medical attention. Small amounts entering mouth should be rinsed out until taste is gone.

SECTION 5 - FIRE FIGHTING MEASURES

GENERAL HAZARDS:
Product will support combustion. Products of combustion include compounds of carbon, hydrogen and oxygen, including carbon monoxide.

EXTINGUISHING MEDIA:
Carbon Dioxide, water fog, dry chemical, chemical foam

FIRE FIGHTING PROCEDURES:
Firefighters must wear full facepiece self - contained breathing apparatus in positive pressure mode. Do not use solid stream of water since stream will scatter and spread fire. Fine water spray can be used to keep fire - exposed containers cool.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
Closed containers can explode due to buildup of pressure when exposed to extreme heat.

HAZARDOUS COMBUSTION PRODUCTS:
Smoke, fumes, oxides of carbon

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
WILL SUPPORT COMBUSTION. Do not wash to sanitary sewer. All spills - confine spill, soak up with approved absorbent, shovel product into approved container for disposal. Flush area with water, recover flush for proper disposal.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures, open flames. This material will support combustion. Keep this and other chemicals out of reach of children.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

HAZARDOUS COMPONENTS	NIOSH				ACGIH		OSHA	
	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3	TLV/TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3
Aliphatic hydrocarbon (white mineral oil) (a)		10				10		

(a) Product is not hazardous under normal conditions but could be classified as hazardous if present as oil mist in air.

PERSONAL PROTECTION

RESPIRATORY PROTECTION:
None required while threshold limits are kept below maximum allowable concentrations; if TWA exceeds limits, NIOSH approved respirator must be worn. Refer to 29 CFR 1910.134 or European Standard EN 149 for complete regulations.

PROTECTIVE GLOVES:
Neoprene gloves, butyl or nitrile rubber gloves with cuffs.

EYE PROTECTION:
Protective eyeglasses or chemical safety goggles. Refer to 29 CFR 1910.133 or European Standard EN166.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:
Safety eyewash station nearby

WORK / HYGIENIC PRACTICES:
Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR Water white to light yellow liquid, slight characteristic odor	VAPOR PRESSURE < 0.1 mm Hg @ 20° C
pH NA	SPECIFIC GRAVITY (WATER = 1) Not Specified
BOILING POINT / BOILING RANGE Not Specified	SOLUBILITY IN WATER Negligible
FLASH POINT 400° F (204.4° C)	VISCOSITY Not Specified
FLAMMABLE LIMITS LEL: 0.7% UEL: 6.0%	VAPOR DENSITY (AIR = 1) > 1
AUTO-IGNITION TEMPERATURE ND	EVAPORATION RATE (WATER = 1) < 1

SECTION 10 - STABILITY AND REACTIVITY

STABILITY STABLE X	CONDITIONS TO AVOID: Extreme temperatures, open flames
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers, strong acids	
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes, and smoke may be	
HAZARDOUS POLYMERIZATION: Will Not Occur.	CONDITIONS TO AVOID: None Related to Polymerization.

SECTION 11 - TOXICOLOGICAL INFORMATION

Hazardous Components	CAS # EINECS #	LD50 of Ingredient (Specify Species and Route)	LC50 of Ingredient (Specify Species)
Aliphatic hydrocarbon (white mineral oil) (a)	8042-47-5	NE	NE
	232-455-8		

(a) Product is not hazardous under normal conditions but could be classified as hazardous if present as oil mist in air.

Do not allow undiluted and/or large quantities of product to enter sewage systems or reach ground water or bodies of water.

SECTION 12 - ECOLOGICAL INFORMATION

No data are available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. None of the ingredients in this mixture are classified as a Marine Pollutant.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:
According to the European Waste Catalogue, waste codes are application specific and should be assigned by the user based on the application for which the product is used. Dispose of in accordance with Local, State, and Federal Regulations. This product may produce hazardous vapors or fumes in a closed disposal container creating a dangerous environment. Refer to "40 CFR Protection of Environment Parts 260 - 299" for complete waste disposal regulations. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals. Do not flush to sanitary sewer or waterway.

SECTION 14 - TRANSPORT INFORMATION

PROPER SHIPPING NAME: Not Regulated.	
DOT HAZARD CLASS / Pack Group: Not regulated.	IATA HAZARD CLASS / Pack Group: Not regulated.
REFERENCE: NA	IMDG HAZARD CLASS: Not regulated.
UN / NA IDENTIFICATION NUMBER: None	RID/ADR Dangerous Goods Code: Not regulated.
LABEL: None Required.	UN TDG Class / Pack Group: Not regulated.
HAZARD SYMBOLS: None	Hazard Identification Number (HIN): None

Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

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SECTION 15 - REGULATORY INFORMATION

TSCA (USA - Toxic Substance Control Act): **All components of this product are listed.**

SARA TITLE III (USA - Superfund Amendments and Reauthorization Act):

Acute Health:	NO	Chronic Health:	NO
Fire:	NO	Sudden Release of Pressure:	NO
Reactive:	NO		

SARA 313 REPORTABLE INGREDIENTS: **Ingredients listed.**

CERCLA (USA - Comprehensive Response Compensation and Liability Act): **None**

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986: **None listed.**

CPR (Canadian Controlled Products Regulations): **Canadian WHMIS Classifications: Not controlled. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.**

IDL (Canadian Ingredient Disclosure List): **CAS# 8042-47-5 is not listed on Canada's Ingredient Disclosure List.**

DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List): **CAS# 8042-47-5 is listed on Canada's DSL List.**

EINECS (European Inventory of Existing Commercial Chemical Substances): **Ingredients are referenced.**

WGK Water Quality Index: **nwg** VbK Index: **NA**

RISK PHRASES: None	SYMBOL(S) REQUIRED FOR EU LABEL None	SAFETY PHRASES: S2 : Keep out of the reach of children. S25 : Avoid contact with eyes.
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SECTION 16 - OTHER INFORMATION

Legend:

- ACGIH - American Congress of Government Industrial Hygienists**
- CAS - Chemical Abstracts Service**
- EINECS - European Inventory of Existing Commercial Chemical Substances**
- HMIS - Hazardous Materials Identification System**
- IARC - International Agency for Research on Cancer**
- NA - Not Available**
- NC - Not Classified**
- ND - Not Determined**
- NE - Not Established**
- NR - Not Reported**
- NIOSH - National Institute for Occupational Safety and Health**
- NTP - National Toxicology Program**
- OSHA - Occupational Safety and Health Administration**

HMIS HAZARD RATINGS 0=Insignificant, 1=Slight, 2=Moderate, 3=High, 4=Extreme	HEALTH:	0	
	FLAMMABILITY:	1	
	PHYSICAL HAZARD:	0	
	PERSONAL PROTECTIVE EQUIPMENT:	B	

REVISION SUMMARY: revised 6/25/2009 - replaces 7/28/2006 issue. JTV

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The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.