



MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: STARRETT WATERLESS SURFACE PLATE CLEANER	
PRODUCT NUMBER: 30852	DATE: April 12, 2010
TRADE NAME: STARRETT WATERLESS SURFACE PLATE CLEANER GENERAL USE: Waterless surface cleaner CHEMICAL FAMILY: Mineral spirits Microemulsion PRODUCT DESCRIPTION: Semisolid white cream with a fruity floral fragrance.	
MANUFACTURED FOR The L.S. Starrett Company	DATE PREPARED: April 12, 2010 SUPERSEDES: March 24, 2010
ADDRESS (NUMBER, STREET, P.O. BOX) 121 Crescent St.	TELEPHONE NUMBER (General Inquiries) (802) 257-7971
(CITY, STATE AND ZIP CODE) Athol, MA 01331	COUNTRY USA CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBER  1-800-255-3924 01-813-248-0585 North America International

SECTION 2 - INGREDIENTS INFORMATION

Components List*	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 15)
Water	40-50	7732-18-5	231-791-2	None	None
Mineral Spirits	20-40	8052-41-3	232-489-3	Xn, N	R10, R51/53, R65
Tallow Acid	5-10	67701-06-8	266-930-6	None	None
Nonoxynol-10	1-5	68412-54-4	500-209-1	None	None
Triethanolamine	1-5	102-71-6	203-049-8	Xi	R36
Propylene Glycol	1-5	57-55-6	200-338-0	None	None
Cocamide DEA	0.1-1.0	68603-42-9	271-657-0	None	None
PEG-75 Lanolin	0.1-1.0	61790-81-6	Not referenced	None	None
Cellulose Gum	0.1-1.0	9004-32-4	Not referenced	None	None
Methylparaben	0.1-1.0	99-76-3	202-785-7	None	None
Fragrance	0.1-1.0	NA	Not Referenced	None	None
Chloroxylonol	0.1-1.0	88-04-0	201-793-8	Xn	R22, R36/38, R43
Propylparaben	<1.0	94-13-3	202-307-7	None	None
BHT	<1.0	128-37-0	204-881-4	None	None
Diazolidinyl Urea	<1.0	78491-02-8	278-928-2	None	None

*All components in this product are listed above, only those with a reportable hazard and at a concentration that is reportable have entries made in the appropriate fields in sections 8 and 11.

NOTES: Note: 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 91/155/EEC. Hazard symbols and risk phrases are based on maximum listed concentration of each hazardous ingredient.

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

No significant hazard is associated with the use of this product. Avoid contact with eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

POTENTIAL HEALTH EFFECTS

INHALATION:

Unlikely to be inhaled due to physical characteristics

SKIN:

Excessive exposure may cause irritation and dryness

EYES:

May cause temporary irritation and redness

INGESTION:

May cause temporary soreness and redness of the mouth and throat. In large quantity, may result in vomiting or diarrhea.

MATERIAL SAFETY DATA SHEET

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PRODUCT NUMBER: 30852 **DATE:** April 12, 2010

CARCINOGENICITY:
 NTP? **NO** IARC MONOGRAPHS? **NO** OSHA REGULATED? **NO**
 CALIFORNIA, Prop.65? **NO** ESIS NOTATION? **NO**

SECTION 4 - FIRST AID MEASURES

INHALATION:
 Not applicable

EYES:
 Remove contact lenses while rinsing with clean water. Rinse immediately with clean potable water for at least 15 minutes while lifting eye lids. If any soreness or irritation persists, seek medical advice.

SKIN:
 Not applicable. Can be effectively removed with running water and mechanical action.

INGESTION:
 Rinse mouth and throat thoroughly. Give 1 to 2 cups of liquid to drink. Obtain immediate medical advice/ and call a poison control center. Never administer liquids to an unconscious person. Do not induce vomiting unless directed to do so by a medical professional.

SECTION 5 - FIRE FIGHTING MEASURES

GENERAL HAZARDS:
 This product is water based and will not support combustion. Suitable extinguishing media for the surrounding fire should be used.

EXTINGUISHING MEDIA:
 Suitable extinguishing media for the surrounding fire should be used.

FIRE FIGHTING PROCEDURES:
 None applicable.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
 None.

HAZARDOUS COMBUSTION PRODUCTS:
 Carbon Monoxide, Carbon Dioxide, Oxides of Nitrogen, Traces of Organo Chlorine compounds.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
 Apply absorbent material and place in covered container for disposal. Dispose in accordance with federal, state and local regulations. Dilute any remainder to drain with water.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
 Store in a cool dry area. Protect from incompatible materials and extremes of temperature.
 Suitable packaging: Store in original packaging. Keep container closed when not in use.

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
Mineral Spirits	NE	NE	NE	NE	NE	NE	NE	NE
Triethanolamine	NE	NE	NE	NE	(-)	5	NE	NE
Chloroxylonol	NE	NE	NE	NE	NE	NE	NE	NE

PERSONAL PROTECTION

RESPIRATORY PROTECTION:
 None required.

PROTECTIVE GLOVES:
 None required.

EYE PROTECTION:
 Not required.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:
 Not applicable

WORK / HYGIENIC PRACTICES:
 Normal industrial hygiene practices.

MATERIAL SAFETY DATA SHEET

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES			
APPEARANCE AND ODOR Semisolid white cream with a fruity floral fragrance.		VAPOR PRESSURE NA	
pH 7.5 – 8.5		SPECIFIC GRAVITY (WATER = 1) NR	
BOILING POINT / BOILING RANGE NE		SOLUBILITY IN WATER Appreciable	
FLASH POINT None determined.		VISCOSITY Viscous	
FLAMMABLE LIMITS LEL: NA UEL: NA		VAPOR DENSITY (AIR = 1) NA	
AUTO-IGNITION TEMPERATURE NA		EVAPORATION RATE (WATER = 1) NE	
SECTION 10 - STABILITY AND REACTIVITY			
STABILITY Stable under normal conditions of use.		STABLE X CONDITIONS TO AVOID: Temperature extremes.	
INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizing agents			
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Carbon Monoxide, Carbon Dioxide, Oxides of Nitrogen, Traces of Organo Chlorine compounds.			
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)
Mineral Spirits	8052-41-3	NE	NE
	232-489-3		
Triethanolamine	102-71-6	Oral Rat 4820µL/Kg	NE
	203-149-8		
Chloroxylenol	88-04-0	Oral Rat LD50= 3830mg/Kg Oral Mouse LD50=1gm/kg	NE
	201-793-8		
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			
Ingredient Triethanolamine: Fish: Flathead Minnow; 5600mg/L;96Hr;LC50.			
Ingredient Chloroxylenol: Fish: Rainbow Trout: LC50=0.77mg/L; 96Hr; unspecified Fish: Bluegill/Sunfish: LC50= 2.7mg/L;96Hr; unspecified. Water flea daphnia: EC50= 4.5-7.7 mg/L; Static bioassay Bacteria: Phytobacterium phosphoreum: EC50= 1.99mg/L;5min; Microtox test.			
SECTION 13 - DISPOSAL CONSIDERATIONS			
WASTE DISPOSAL METHOD: Disposal of packaging: Drain well. Dispose of as normal industrial waste. Note: Dispose in accordance with state, local and federal regulations.			
SECTION 14 - TRANSPORT INFORMATION			
PROPER SHIPPING NAME: Not Regulated for Transport.			
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: No ingredients are reportable.

CERCLA (USA - Comprehensive Response Compensation and Liability Act): NO RQ's are listed.

State Right To Know: Propylene Glycol CAS# 57-55-6 is listed in the following states: NJ, PA, RI.

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

CPR (Canadian Controlled Products Regulations):

This product has been classified in accordance with the hazard criteria of the controlled products regulations and the MSDS contains all the information required by those regulations. WHMIS Classifications: D1B,D2B

IDL (Canadian Ingredient Disclosure List): No ingredients are listed.

DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List): Ingredients are listed on DSL.

EINECS (European Inventory of Existing Commercial Chemical Substances): Referenced except as noted in section 2

WGK Water Quality Index: 1 **VbK Index:** NA

RISK PHRASES:	SYMBOL(S) REQUIRED FOR EU/GHS LABEL	SAFETY PHRASES:
<p>R51/53: Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.</p> <p>R65: Harmful: May cause lung damage if swallowed.</p>		<p>S2: Keep out of the reach of children.</p> <p>S62: If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.</p>

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
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	HEALTH: FLAMMABILITY: PHYSICAL HAZARD:	1 1 0 None	0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH 4 = EXTREME
	PERSONAL PROTECTIVE EQUIPMENT:		

Revised to GHS/E.U. protocols 4/12/2010 supersedes 3/24/2010 issue.

<p>MSDS Prepared by: ChemTel Inc. 1305 North Florida Avenue Tampa, Florida USA 33602-2902 Toll Free North America 1-888-255-3924 Intl. +01 813-248-0585 Website: www.chemtelinc.com</p>	
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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.