MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: STARRETT CLEANER
PART NUMBER: EDP# 81820, 81821, 81822, 81823, 81824 & 81825
GENERAL USE: Cleaning agent
PRODUCT DESCRIPTION: Clear liquid

MANUFACTURER’S NAME
Surry Chemicals, Inc.

ADDRESS (NUMBER, STREET, P.O. BOX)
P.O. Box 1447
Mt. Airy, NC 27030
COUNTRY
USA

DISTRIBUTOR’S NAME
The L.S. Starrett Company

ADDRESS (NUMBER, STREET, P.O. BOX)
121 Crescent St.
Athol, MA 01331
COUNTRY
USA

DATE PREPARED: April 20, 2005
SUPERSEDES: December 21, 2003

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS

% (by weight)
CAS #
EINECS #
Hazard Symbol
RISK PHRASES
Full Text Section 16

Dipropylene glycol methyl ether (a)
1 - 5
34590-94-8
252-104-2
NC
Not classified

Water (b)
90 - 98
7732-18-5
231-791-2
NC
Not classified

(a) Indicates an employee's skin exposure shall be prevented or reduced to the extent necessary in the circumstances through the use of gloves, coveralls, goggles, or other appropriate equipment.

(b) This product is not considered a hazardous chemical under the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200). However, certain regulatory agencies, government agencies or states may require the listing of this product or the product is listed only for information.

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Alkaline liquid, prolonged contact may cause skin & eye irritation. Ingestion may cause gastric distress. Hazard symbols for this product - Not classified, Risk Phrases - None

POTENTIAL HEALTH EFFECTS

INHALATION: Breathing concentrated vapors may cause irritation of respiratory tract.

SKIN: Prolonged contact may cause irritation.

EYES: Contact with eyes will cause irritation.

INGESTION: May cause gastric distress, vomiting and diarrhea.

CARCINOGENICITY
NTP? No
IARC MONOGRAPHS? No
OSHA REGULATED? No
INHALATION: Remove affected person to fresh air; if symptoms persist 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.

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

INGESTION: Give two glasses of water for dilution; DO NOT induce vomiting; never give anything by mouth to an unconscious person; seek medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

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

EXTINGUISHING MEDIA
Carbon dioxide, water, water fog, dry chemical, chemical foam

FIRE FIGHTING PROCEDURES
Keep containers cool with water spray to prevent container rupture due to steam buildup; floor will become slippery if material is released. Material is alkaline and will irritate the eyes if product is allowed to directly contact the eyes.

UNUSUAL FIRE AND EXPLOSION HAZARDS
None

HAZARDOUS COMBUSTION PRODUCTS
Smoke, fumes, oxides of carbon

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Material is alkaline and will irritate the eyes if product is allowed to directly contact the eyes. Wash small spills to sanitary sewer. Large spills - confine spill, soak up with approved absorbent, shovel product into approved container for 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. Keep this and other chemicals out of reach of children.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>HAZARDOUS COMPONENTS</th>
<th>NIOSH</th>
<th>ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TWA ppm</td>
<td>TWA mg/m3</td>
</tr>
<tr>
<td>Dipropylene glycol methyl ether (a)</td>
<td>100</td>
<td>600</td>
</tr>
<tr>
<td>Water (b)</td>
<td>not established</td>
<td>not established</td>
</tr>
</tbody>
</table>

PERSONAL PROTECTION:

RESPIRATORY PROTECTION (SPECIFY TYPE): None required; however, if misting occurs, NIOSH approved respirator capable of removing particulate from air 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: Coveralls, apron, or other equipment should be worn to minimize skin contact, safety eyewash station nearby.

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

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April 20, 2005

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear liquid, characteristic odor

PH: 11

BOILING POINT / BOILING RANGE: 212°F (100°C)

FLASH POINT: Non-flammable

FLAMMABLE LIMITS: LEL: Not applicable, UEL: Not applicable

AUTOIGNITION TEMPERATURE: Not determined

SECTION 10 - STABILITY AND REACTIVITY

STABILITY: UNSTABLE: XXX

CONDITIONS TO AVOID: Extreme temperatures

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 produced.

SECTION 11 - TOXICOLOGICAL INFORMATION

Hazardous Components | CAS # | EINECS # | LD50 of Ingredient (Specify Species and Route) | LC50 of Ingredient (Specify Species) |
--- | --- | --- | --- | --- |
Dipropylene glycol methyl ether (a) | 34590-94-8 | 252-104-2 | 5135 mg / kg Oral - rat | Not established |
Water (b) | 7732-18-5 | 231-791-2 | Not established | Not established |

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. Refer to "40 CFR Protection of Environment Parts 260 - 299" for complete waste disposal regulations for alkaline materials. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals.

SECTION 14 - TRANSPORT INFORMATION

PROPER SHIPPING NAME: Not Regulated

DOT HAZARD CLASS / Pack Group: Not regulated

REFERENCE: Not Applicable

UN / NA IDENTIFICATION NUMBER: None

LABEL: None Required

HAZARD SYMBOLS: None

IATA HAZARD CLASS / Pack Group: Not regulated

IMDG HAZARD CLASS: Not regulated

RID/ADR Dangerous Goods Code: Not regulated

UN TDG Class / Pack Group: Not regulated

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.
SECTION 15 - REGULATORY INFORMATION

TSCA (USA - Toxic Substance Control Act)
All components of this product are listed on the U.S. Toxic Substances Control Act Chemical Inventory (TSCA Inventory) or are exempted from listing because a Low Volume Exemption has been granted in accordance with 40 CFR 723.50.

SARA TITLE III (USA - Superfund Amendments and Reauthorization Act)
311/312 Hazard Categories
None

313 Reportable Ingredients:
None

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

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 the Controlled Products Regulations. WHMIS Classification: Not controlled

IDL (Canadian Ingredient Disclosure List)
Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 2.

DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List)
Components of this product identified by CAS number are listed on the DSL or NDSL, or are otherwise in compliance with the New Substances Notification (NSN) regulations. Only ingredients classified as "hazardous" are listed in Section 2 unless otherwise indicated.

EINECS (European Inventory of Existing Commercial Chemical Substances)
Components of this product identified by CAS numbers are on the European Inventory of Existing Commercial Chemical Substances.

PRODUCT NAME: STARRETT CLEANER

VbK Index: Not applicable

RISK PHRASES:
None

SYMBOL(S) REQUIRED FOR LABEL
None

SAFETY PHRASES:
S2  Keep out of the reach of children.
S25  Avoid contact with eyes

SECTION 16 - OTHER INFORMATION

Notes & full R-Phrase text
None

HMIS HAZARD RATINGS

HEALTH 1  * = Chronic Health Hazard 2 = MODERATE
FLAMMABILITY 0 0 = INSIGNIFICANT 3 = HIGH
PHYSICAL HAZARD 0 1 = SLIGHT 4 = EXTREME
PERSONAL PROTECTIVE EQUIPMENT C Safety Glasses, Gloves, Apron

REVISION SUMMARY:
This MSDS has been revised in the following sections: Various text

MSDS Prepared by: Chem-Tel, Inc.
1305 N. Florida Ave.
Tampa, Florida USA 33602 (800) 255-3924 Outside USA (813) 248-0573

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.