



Material Safety Data Sheet
DRAWSOL 850X2

D.A. STUART INC.
43 Upton Road
Scarborough, Ontario
M1L 2C1
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REVISION DATE:.....July 21, 2005
REVISION NUMBER: 2

SECTION I - IDENTIFICATION

MANUFACTURER'S NAME..... D.A. Stuart Inc.
MANUFACTURER'S ADDRESS. 43 Upton Road, Scarborough, Ontario, M1L 2C1
SUPPLIER'S NAME..... As manufacturer
SUPPLIER'S ADDRESS..... As manufacturer
PRODUCT NAME..... DRAWSOL 850X2
PRODUCT NUMBER:..... 04861.66.1
PRODUCT USE..... Sulphur-Chlorinated Drawing Compound
CHEMTREC:..... 1-800-424-9300

EMERGENCY PHONE NUMBER: CANUTEC: 1-613-996-6666 (24 HOURS)

SECTION II - HAZARDOUS INGREDIENTS

Table with 5 columns: HAZARDOUS, PERCENT, CAS-NUMBER, LD(50), LC(50). Rows include Polyoxyethylene Octadecenyl Ether Phosphate and Fatty Alcohol Polyglycol Ether.

SECTION III - HAZARDS IDENTIFICATION

ROUTES OF ENTRY

SKIN CONTACT..... May cause mild irritation.
SKIN ABSORPTION..... No acute effects expected.
EYE..... May cause mild irritation.
INHALATION..... Not a normal hazard at ambient temperatures.
INGESTION..... Do not ingest. Aspiration hazard.

ACUTE OVER EXPOSURE EFFECTS.... May cause mild skin and eye irritation.
Inhalation of mist may lead to respiratory problems.

CHRONIC OVER EXPOSURE EFFECTS Prolonged or repeated skin contact may cause irritation. Inhalation of high concentrations of mist may lead to respiratory problems.

EXPOSURE LIMITS..... Oil mist: 5 mg/m³

IRRITANCY OF PRODUCT..... Classified as an irritant under WHMIS.



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SENSITIZATION TO MATERIAL..... Not known to be a sensitizer

### SECTION IV - FIRST AID MEASURES

**SPECIFIC FIRST AID PROCEDURES.....**

**Eyes:** Rinse with water for at least 15 minutes. Seek medical attention if irritation persists.

**Skin:** Remove contaminated clothing and wash affected areas with soap and water. Seek medical attention if irritation persists.

**Inhalation:** Remove to fresh air if ill effects experienced. Seek medical attention if necessary.

**Ingestion:** Rinse mouth immediately. Do not induce vomiting unless advised by a physician. Seek immediate medical attention. NB: Never give anything by mouth to an unconscious person.

### SECTION V - FIRE AND EXPLOSION DATA

**CONDITIONS OF FLAMMABILITY.....** n.ap.

**FLASHPOINT AND METHOD.....** COC: > 190°C

**EXTINGUISHING MEDIA.....** CO<sub>2</sub>, foam, dry chemical or water fog

**UNUSUAL FIRE AND EXPLOSION**

**HAZARDS.....** n.av.

**UPPER EXPLOSION LIMIT (% BY VOL).....** n.av.

**LOWER EXPLOSION LIMIT (% BY VOL)...** n.av.

**AUTO-IGNITION TEMPERATURE.....** n.av.

**FLAMMABILITY CLASSIFICATION.....** Not classified as a flammable substance under WHMIS.

**HAZARDOUS COMBUSTION PRODUCTS....** Oxides of carbon, and sulphur if involved in a fire.

**EXPLOSION DATA.....** n.av.

**SENSITIVITY TO STATIC DISCHARGE.....** n.ap.

### SECTION VI – ACCIDENTAL RELEASE MEASURES

**SPILL.....** Contain spill by dyking and/or use an inert absorbent (e.g. sand or clay). Place waste in appropriate, labeled containers. Wash area with detergent or water.



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### SECTION VII - HANDLING AND STORAGE

**HANDLING PROCEDURES**..... Use good hygiene procedures.  
**STORAGE REQUIREMENTS**..... Keep containers closed away from extreme heat and open flame.

### SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

**SPECIFIC ENGINEERING CONTROLS**... Dilution ventilation is adequate at room temperature. At high temperature or if misting is expected, exhaust ventilation is recommended.

**PERSONAL PROTECTIVE EQUIPMENT** Chemical goggles for eye protection. Rubber or nitrile gloves for hand protection. If exposure limits are exceeded, use NIOSH approved respirator (R or P95) may be used for any particulate contaminant where airborne mists exceed the NIOSH REL of 5 mg3m.

### SECTION IX - PHYSICAL DATA AND CHEMICAL PROPERTIES

**PHYSICAL STATE**..... Liquid  
**APPEARANCE/ODOR**..... Clear dark-brown  
**ODOUR THRESHOLD**..... n.av.  
**BOILING POINT**..... n.av.  
**VAPOUR PRESSURE**..... <1 mm Hg @ 20°C  
**VAPOUR DENSITY**..... >1  
**EVAPORATION RATE**..... Slower than n-butyl acetate  
**FREEZING POINT**..... n.av.  
**SPECIFIC GRAVITY**..... 1.028  
**pH**..... n.av.  
**DENSITY (g/mL)**..... 1.028  
**COEFFICIENT OF WATER/OIL DISTRIBUTION**..... n.av.

### SECTION X – STABILITY AND REACTIVITY DATA

**CHEMICAL STABILITY**..... Stable  
**INCOMPATIBILITY**..... Strong oxidizing agents  
**CONDITIONS OF REACTIVITY**..... Prolonged contact with the above  
**HAZARDOUS DECOMPOSITION PRODUCTS**..... See hazardous combustion products.



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**SECTION XI – TOXICOLOGICAL INFORMATION**

**CARCINOGENICITY**..... No ingredients are listed as carcinogenic under OSHA, NTP and IARC.

**TERATOGENICITY AND EMBRYOTOXICITY**..... None known

**TOXICOLOGICALLY SYNERGISTIC PRODUCTS**..... None known

**MUTAGENICITY**..... None known

**REPRODUCTIVE TOXICITY**..... None known

**SECTION XII – ECOLOGICAL INFORMATION**

Ecological testing has not been conducted on this product.

**SECTION XIII - DISPOSAL CONSIDERATIONS**

Follow all local and federal government regulations. The disposal method and manner practices should be acceptable to good waste management practices and follow applicable codes and regulations.

**SECTION XIV - TRANSPORTATION DATA**

**SPECIAL SHIPPING INFORMATION**..... Not regulated under TDG

**CAUTIONARY LABEL STATEMENT**..... CAUTION: Causes eye and skin irritation.

**SECTION XV - REGULATORY INFORMATION**

**WHMIS CLASSIFICATION**..... D2B

This product has been classified in accordance with the hazards criteria of the Controlled Products Regulation (CPR) and the MSDS contains all the information required by the CPR.

**SECTION XVI – OTHER INFORMATION**

**PREPARED BY**..... Research and Development Laboratory

**PHONE NUMBER OF PREPARER**..... (416) 757-3226

**ABBREVIATIONS**



## Material Safety Data Sheet DRAWSOL 850X2

<b>ACGIH</b> .....	American Conference of Governmental Industrial Hygienists
<b>CAS</b> .....	Chemical Abstracts Service
<b>CC/TCC</b> .....	(Tag) Closed Cup
<b>COC</b> .....	Cleveland Open Cup
<b>IARC</b> .....	International Agency for Research on Cancer
<b>LC<sub>50</sub></b> .....	Lethal Concentration 50
<b>LD<sub>50</sub></b> .....	Lethal Dose 50
<b>n.ap</b> .....	Not Applicable
<b>n.av</b> .....	Not Available
<b>NFPA</b> .....	National Fire Protection Association
<b>NOSH</b> .....	National Institute of Occupational Safety and Health
<b>NTP</b> .....	National Toxicology Program
<b>OSHA</b> .....	Occupational Safety and Health Administration
<b>PEL</b> .....	Permissible Exposure Limit
<b>STEL</b> .....	Short Term Exposure Limit
<b>TDG</b> .....	Transportation of Dangerous Goods
<b>TLV</b> .....	Threshold Limit Value
<b>TWA</b> .....	Time Weighted Average
<b>WHMIS</b> .....	Workplace Hazardous Material Information Systems

### **DISCLAIMER**

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