MATERIAL SAFETY DATA SHEET

ORDER NUMBER: 279211-00  DATE: 12/18/86

CUSTOMER: DANIEL SMITH, INC.

SECTION I

HANDSCHY INDUSTRIES, INC.
2225 ELSTON AVE.
CHICAGO 1L 80647.  EMERGENCY TELEPHONE NO.: (312) 276-6400

PRODUCT CLASS: OXIDIZING OFFSET INK

PRODUCT NUMBER: CS-460NO

PRODUCT NAME: OFFSET CS 400 THALO GC / BLUE NO DRIER LITHO

SECTION II - HAZARDOUS INGREDIENTS

COMPONENT  CAS #  PEL(MG/M3)  TLV(MG/M3)  %

NOTE: THIS PRODUCT CONTAINS HIGH-BOILING PENTHEUM DISTILLATES OF A TYPE NOT CONSIDERED BY OUR SUPPLIER TO BE A HAZARDOUS SUBSTANCE AS RECOGNIZED BY OSHA’S HAZARD COMMUNICATION STANDARD 29CFR 1910.1200. OIL MIST IS NOT EXPECTED TO BE GENERATED BY THIS PRODUCT DURING NORMAL USE. THIS PRODUCT CONTAINS NO "OIL MIST." THE OSHA PEL-TWA (PERMISSIBLE EXPOSURE LIMIT - TIME WEIGHTED AVERAGE - 8 HOURS) FOR OIL MIST IS 5 MILLIGRAMS PER CUBIC METER.

SECTION III - PHYSICAL DATA

BOILING RANGE (F): 454 TO 630  TYPE OF OIL: OILY
APPEARANCE: COLORED PASTE  LIQUID CLARITY VS. WATER: HEAVIER
VAPOR DENSITY VS. AIR: HEAVIER
EVAPORATION RATE VS. ETHYL ACETATE: SLOWER

SECTION IV - FIRE & EXPLOSION DATA

FLAMMABILITY CLASSIFICATION:
OSHA: IIIIB COMBUSTIBLE LIQUID  LEL (%): UNKNOWN
FLASH POINT (F): > 200 METHED USED: T.C.C.
SECTION IV - FIRE & EXPLOSION DATA (CONTINUED)

EXTINGUISHING MEDIA:
- FOAM
- CO₂
- DRY CHEMICAL

UNUSUAL FIRE AND EXPLOSION HAZARDS:
DENSE SMOKE MAY BE GENERATED WHEN BURNING.

SPECIAL FIREFIGHTING PROCEDURES:
WATER OR FOAM MAY BE INEFFECTIVE DUE TO FROTHING, BUT CAN
BE USED TO COOL CONTAINERS EXPOSED TO HEAT OR FLAME.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:
- SKIN CONTACT: PROLONGED CONTACT MAY RESULT IN DRYNESS,
  IRRITATION, DERMATITIS.
- EYE CONTACT: MAY CAUSE IRRITATION OR REDNESS.

PRIMARY ROUTE(S) OF ENTRY:
DERMAL

EMERGENCY AND FIRST AID PROCEDURES:
- SKIN CONTACT: WASH WITH PLENTY OF SOAP AND WATER. REMOVE
  CONTAMINATED CLOTHING AND LAUNDER BEFORE REUSE.
- EYE CONTACT: FLUSH WITH PLENTY OF WATER FOR 15 MINUTES. GET
  MEDICAL ATTENTION IF NECESSARY.
- INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL
  ATTENTION IMMEDIATELY.
- INHALATION: REMOVE TO FRESH AIR.

SECTION VI - REACTIVITY DATA

PRODUCT STABILITY: STABLE

CONDITIONS TO AVOID:
EXCESSIVE TEMPERATURE, DIRECT SOURCES OF HEAT, STRONG
OXIDIZING AGENTS.

SECTION VII - SPILL OR LEAK PROCEDURES

PROCEDURE WHEN MATERIAL SPILLED OR RELEASED:
- STOP SOURCES OF SPILLS. SHOVEL OR WIPE UP. IF HYDROCARBON
  SOLVENT HAS BEEN USED TO AID IN CLEANING UP, PROVIDE
  ADEQUATE VENTILATION DURING CLEAN-UP.
WASTE DISPOSAL METHOD:
IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL WASTE MANAGEMENT LAWS.

SECTION VIII - SPECIAL PROTECTION INFORMATION

VENTILATION:
LOCAL MECHANICAL EXHAUST PREFERABLE.

PROTECTIVE GLOVES:
RECOMMENDED IN CASES OF PROLONGED CONTACT.

RESPIRATORY PROTECTION:
NONE REQUIRES IN NORMAL HANDLING.

EYE PROTECTION:
GOGGLES RECOMMENDED IF MIST IS PRESENT.

OTHER PROTECTIVE EQUIPMENT:
NONE.

SECTION IX - SPECIAL PRECAUTIONS

HANDLING AND STORING:
STORE AT 35 - 120 DEGREES F. KEEP CONTAINERS CLOSED AND LABELLED.

OTHER PRECAUTIONS:
AVOID CONTACT WITH SKIN AND EYES. WASH WITH SOAP AND WATER BEFORE EATING, SMOKING, DRINKING OR USING TOILET FACILITIES.