
SECTION 1 - MANUFACTURER INFORMATION

MANUFACTURER : HAUXWELL CHEMICALS LTD.

EMERGENCY PHONE.....: 999-995-7711
1846 WILMETT ROAD PREPARATION/REVISION DATE: 11-11-85
MUSKEGON MI 49440TRADE NAME/SYNONYMS...: YELLOW INK #2
CHEMICAL NAME/SYNONYMS: NO INFORMATION
CHEMICAL FAMILY.....: MARKING INK
FORMULA.....: NO INFORMATION

SECTION 2 - HAZARDOUS INGREDIENTS

THIS PRODUCT CONTAINS HAZARDOUS INGREDIENTS : YES

CHEMICAL/COMMON NAME	CAS-NUMBER	%	PEL-OSHA	TLV-ACGIH
ETHYL ACETATE	141-78-6	3-6	400 PPM	400 PPM
2-PROPANOL	67-63-0	0-50	400 PPM	400 PPM
1-METHOXYPROPANOL-2	107-98-2	14	N/A	100 PPM
ETHANOL	64-17-5	0-50	1000 PPM	1000 PPM
NITROCELLULOSE RESIN	9004-70-0	3	N/A	N/A
TOLUENE	108-88-3	3-6	200 PPM	100 PPM

THIS PRODUCT CONTAINS CARCINOGENS (NTP, IARC, or OSHA) : YES

CHEMICAL/COMMON NAME	CAS-NUMBER	%	NTP	IARC	OSHA
LEAD CHROMATE	1344-37-2				

SECTION 3 - HEALTH HAZARD DATA

HEALTH EFFECTS (Acute And Chronic)-

EXPOSURE TO THE SOLVENTS IN YELLOW INK #2 WILL PRODUCE A VARIETY OF SYMPTOMS INCLUDING DIZZINES, NAUSEA, NARCOSIS, UNCONSCIOUSNESS, AND DEATH IF EXPOSURE IS EXCESSIVE. SOLVENT VAPORS MAY ACCUMULATE IN CONFINED SPACES AND DILUTE THE AIR CAUSING ASPHYXIATION.

LEAD CHROMATE HAS BEEN SHOWN TO PRODUCE CANCER IN RATS.

LEAD IS A TOXIC METAL WHICH MAY AFFECT THE CENTRAL NERVOUS SYSTEM CAUSING WEIGHT LOSS, NERVOUSNESS, HEADACHES, AND LOSS OF MUSCULAR CONTROL. LEAD ALSO IS A REPRODUCTIVE TOXIN WHICH MAY CAUSE STERILITY AND/OR BIRTH DEFECTS.

PRIMARY ROUTES OF ENTRY-

INHALATION, ABSORPTION, AND INGESTION IF HYGENIC PRACTICES ARE NOT OBSERVED.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE-

N/I

EMERGENCY FIRST AID PROCEDURES-

SKIN/EYES : FLUSH WITH WATER. WASH AFFECTED SKIN WITH SOAP AND WATER.

INHALATION: REMOVE PERSON TO FRESH AIR. TREAT SYMPTOMATICALLY.

INGESTION : INDUCE VOMITING IF CONSCIOUS.

SECTION 4 - CHEMICAL DATA

BLOOMING POINT (F): 160F SPECIFIC GRAVITY (WATER=1): 0.95
VAPOR PRESSURE (mmHg): <40 PERCENT VOLATILE BY VOLUME (%): 90.0
VAPOR DENSITY (AIR=1): >2 EVAPORATION RATE (BUTYL ACETATE =1): 1.5

SOLUBILITY IN WATER-
80%

APPEARANCE AND ODOR INFORMATION-
YELLOW COLORED LIQUID. SWEET ALCOHOL ODOR.

SECTION 5 - PHYSICAL HAZARD DATA

FLASH POINT (Method Used): DOC 52 F FLAMMABLE LIMITS : Lel=2.1% UEL=8.0%

EXTINGUISHING MEDIA-
ALCOHOL FOAM; DRY CHEM; CARBON DIOXIDE.

SPECIAL FIRE FIGHTING PROCEDURES-

SELF CONTAINED BREATHING APPARATUS SHOULD BE USED TO AVOID INHALATION OF FIRE BYPRODUCTS, GASES, AND SMOKE. THE SCBA WILL ALSO PROTECT AGAINST POSSIBLE LOW OXYGEN CONCENTRATION CAUSED BY THE FIRE.

UNUSUAL FIRE AND EXPLOSION HAZARDS-
NONE

INCOMPATIBILITY (Materials To Avoid)-
STRONG OXIDIZERS

HAZARDOUS DECOMPOSITION PRODUCTS-
NONE

WILL HAZARDOUS POLYMERIZATION OCCUR-
WILL NOT OCCUR

CONDITIONS TO AVOID FOR POLYMERIZATION-
N/A

IS THE PRODUCT STABLE-
STABLE

CONDITIONS TO AVOID FOR STABILITY-
N/A

SECTION 6 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED-
REMOVE IGNITION SOURCES; ADD ABSORBENT MATERIAL, SCOOP UP WITH RUBBER SHOVEL
OR OTHER SPARK-RESISTANT UTENSIL, PLACE IN PROPERLY LABELED HAZARDOUS WASTE
CONTAINER.

WASTE DISPOSAL METHODS-

INCINERATION, LANDFILLING, OR OTHER WASTE DISPOSAL METHOD WHICH COMPLIES WITH LOCAL, STATE, AND FEDERAL WASTE DISPOSAL LAWS.

SECTION 7 - EXPOSURE CONTROL INFORMATION

VENTILATION-

LOCAL EXHAUST: MAINTAIN BELOW PEL MECHANICAL (General): N/A
SPECIAL.....: N/A OTHER.....: N/A

RESPIRATORY PROTECTION-

NONE NORMALLY REQUIRED. USE APPROVED RESPIRATORY PROTECTION EQUIPMENT IF THE OSHA PEL'S ARE EXCEEDED.

PROTECTIVE GLOVES-

NONE NORMALLY REQUIRED. USE BUTYL RUBBER GLOVES IF GROSS SKIN CONTACT IS POSSIBLE.

OTHER PROTECTIVE EQUIPMENT-

WEAR CHEMICAL SPLASH GOGGLES OR A FACESHIELD WHEN HANDLING OPEN CONTAINERS.

OTHER ENGINEERING CONTROLS-

N/I

WORK PRACTICES-

CARE SHOULD ALWAYS BE TAKEN TO AVOID THE INHALATION, INGESTION, OR ABSORPTION OF YELLOW INK #2.

HIGHERIC PRACTICES-

WASH HANDS WITH SOAP AND WATER AFTER HANDLING.

SECTION 8 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE-

AVOID PROLONGED OR REPEATED INHALATION OF VAPORS. AVOID PROLONGED OR REPEATED SKIN CONTACT.

MAINTENANCE PRECAUTIONS-

FOLLOW ALL OF THE PRECAUTIONS CONTAINED ON THIS MATERIAL SAFETY DATA SHEET WHEN PERFORMING MAINTENANCE OR NON-ROUTINE OPERATIONS ON EQUIPMENT OR CONTAINERS WHICH CONTAIN/CONTAINED YELLOW INK #2.

OTHER PRECAUTIONS-

N/I