M A T E R I A L S A F E T Y D A T A S H E E T

PRODUCT NAME: ORANGE **HMIS CODES: H F R P**
PRODUCT CODE: PA-614A **2 2 0 B**

========== SECTION I - MANUFACTURER IDENTIFICATION ==========

MANUFACTURER'S NAME: CUDNER & O'CONNOR CO.
ADDRESS : 4035 W. Kinzie Street
CITY/STATE : CHICAGO, IL
ZIPCODE : 60624
EMERGENCY PHONE : (800) 535-5053 **DATE PRINTED : 3/12/2012**
INFORMATION PHONE : (773) 826-0200 **NAME OF PREPARER : Cudner & O'Connor**

========== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION ==========

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP		WEIGHT PERCENT
* GLYCOL ETHER EB	111-76-2	.6	68F	30-35
OSHA: PEL 25ppm, ACGIH: TLV 25ppm				
DIACETONE ALCOHOL	123-42-2	0.97	20C	15-20
OSHA:PEL 50 ppm, ACGHI:TLV 50 ppm				
*! LEAD	7439-92-1	N/A	N/A	13.22
OSHA: PEL .05mg/M3 (as Pb), ACGIH: TLV .05mg/M3 (as Pb) (AS THE ELEMENT)				
ACRYLIC RESIN	28262-63-7	N/A	N/A	10-15
OSHA: PEL N/E, ACGIH: TLV N/E				
*! XYLENE	1330-20-7	9	25C	5.00
OSHA:PEL 100ppm, ACGIH: TLV 100ppm				
1-METHOXY-2-PROPANOL	107-98-2	10.9	77C	00-05
OSHA:PEL 100 ppm, ACGIH: TLV 100 ppm				
*! CHROMIUM	7440-47-3	N/A	N/A	3.01
OSHA: PEL .05mg/M3 (as Pb), ACGIH: TLV .05mg/M3 (as Pb) (AS THE ELEMENT)				
* BARIUM	7440-39-3	N/A	N/A	1.00
OSHA: PEL .05mg/M3 (as Pb), ACGIH: TLV .05mg/M3 (as Pb) (AS THE ELEMENT)				
* ALUMINUM OXIDE	1344-28-1	N/A	N/A	.60
OSHA: PEL .05mg/M3 (as Pb), ACGIH: TLV .05mg/M3 (as Pb) (AS THE ELEMENT)				
*! ANTIMONY	7440-36-0	N/A	N/A	.60
OSHA: PEL .05mg/M3 (as Pb), ACGIH: TLV .05mg/M3 (as Pb) (AS THE ELEMENT)				
* DIETHYLENE GLYCOL MONOBUTYL ETHER	112-34-5	.02	68F	00-05
OSHA: N/E ACGIH N/E				

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.
! Indicates toxic chemical(s) subject to the reporting requirements of section HAPS REPORTING

========== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS ==========

BOILING RANGE: 243F - 442F **SPECIFIC GRAVITY (H2O=1): 1.1606**
VOLATILE WEIGHT: 56.6842% **VOLATILE VOLUME: 71.077%**
VAPOR DENSITY: HEAVIER THAN AIR **EVAPORATION RATE: SLOWER THAN ETHER**
MATERIAL V.O.C.: 5.397 lb/gl **SOLUBILITY IN WATER: Non Soluble**
APPEARANCE AND ODOR: Characteristic Solvent Odor

========== SECTION IV - FIRE AND EXPLOSION HAZARD DATA ==========

FLASH POINT: 111 F **METHOD USED: TCC**

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: .9 UPPER: 24.6

EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG, OTHER

SPECIAL FIREFIGHTING PROCEDURES:
Fire and Explosion Hazards:
Isolate from heat, electrical equipment, sparks, and open flame. Vapors may be heavier than air and can travel to a source of ignition then flash back.Closed containers may explode when exposed to extreme heat.

Fire Fighting Equipment
Full protective equipment including self-contained breathing apparatus (SCBA) should be worn to avoid inhalation of concentrated vapors.

Special Fire Fighting procedures
Water should not be used except as fog to keep nearby containers cool. Fumesreleased on burning may be toxic and dangerous.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
Handle as flammable liquid. Vapors form an explosive mixture in air between the upper and lower explosive limits which can be ignited by many sources such as pilot lights, open flames, electrical motors and switches.

========== SECTION V - REACTIVITY DATA ==========

STABILITY: STABLE

CONDITIONS TO AVOID:
Excessive heat, poor ventilation, corrosive atmospheres, excessive aging, ignition sources, sparks and open flame.

INCOMPATIBILITY (MATERIALS TO AVOID):
Alkaline materials, strong acids and oxidizing materials.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:
Carbon monoxide, carbon dioxide, oxides of nitrogen, and possibly acrolein.

HAZARDOUS POLYMERIZATION: Not anticipated during normal printing and storage conditions.

========== SECTION VI - HEALTH HAZARD DATA ==========

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:
Inhalation: May cause respiratory tract irritation. Symptoms may include central nervous system disorders such as, dizziness, breathing difficulty, hecadaches & loss of coordination.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:
Eye contact: Severe irritation, tearing, redness and blurred vision.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:
Skin contact: May cause irritation. Symptoms may include dryness,chapping and redness. Penetrates the skin readily.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:
Ingestion: Can cause gastrointestinal irritation. Symptoms include nausea, headaches and vomiting. Aspiration of material into lungs may cause chemicalpneumonitis which can be fatal.

HEALTH HAZARDS (ACUTE AND CHRONIC):
Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional inhaling of this product may be harmful or fatal. Studies have shown that overexposure during pregnancy may be harmful to the fetus.

CARCINOGENICITY: NTP CARCINOGEN: Yes IARC MONOGRAPHS: Yes OSHA REGULATED: No

No Information Available.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
Pregnant women and persons with pre-existing health disorders should consult their physician before using this product. Repeated and prolonged overexposure and/or individual sensitivity may increase the potential for and degree of adverse health effects.

EMERGENCY AND FIRST AID PROCEDURES:
Inhalation overexposure: Move person to fresh air. If breathing stops, appl artificial respiration and seek immediate medical attention.

Eye contact: Flush with large quantities of water for 15 minutes.If irritation persist have eyes examined by medical personnel.

Skin contact: Wash thoroughly with soap and water for 15 minutes, remove ontaninated clothing and shoes.Cool water is suggested to prevent pores from opening. Get medical attention if irration persists or significant contact has occured. Thoroughly wash or disgard clothing or shoes before reuse.

Ingestion: Do not induce vomiting. Can cause chemical pneumonitis and pulmonary edema. Never give anything by mouth to an unconscious person.
Contact physician immediately.

========== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE ==========

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Remove all sources of ignition. Ventilate area and avoid breathing vapor. Contain release and remove with inert absorbent. Use non-sparking tools to place material in appropriate container for disposal.

WASTE DISPOSAL METHOD:
Dispose of in accordance with local, county, state, provincial and federal regulations. Emptied containers may retain hazardous properties. Empty containers should be disposed of in an environmentally safe manner in accordance with applicable regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
Handling and Storage Methods:
Use non-sparking utensils when handling this material. Avoid hot metal surfaces, and aviod prolonged or repeated overexposure to this product. Use in cool, well-ventilated areas. Keep containers closed when not in use. Keep awayfrom excessive heat and open flames.

OTHER PRECAUTIONS:
Smoking in areas where this material is used should be strictly prohibited. Tools used with this material should be made from aluminum, brass or copper. Plastic utensils should not be used. NOTE: This information is accurate to the best knowledge of Cudner & O'Connor Co., but is furnished without any expressed or implied warranties.

========== SECTION VIII - CONTROL MEASURES ==========

RESPIRATORY PROTECTION:
When spraying this material use a NIOSH approved cartridge respirator or gasmask suitable to keep airborne mists and vapor concentrations below the time weighted threshold limit values. When used in poorly ventilated and confined spaces, use an appropriate half mask or full face NIOSH approved respirator.

VENTILATION:
Exposure guidelines: See Section 2 Ingredients for occupational exposure limits. General mechanical ventilation or local exhaust should be suitable to keep vapor concentrations below TLV. The use of dry pigments and powders,may generate nuisance dusts, therefore partical mask should be used. Ventilation equipment must be explosion proof.

PROTECTIVE GLOVES:
Use impermeable aprons, gloves and protective clothing whenever possible to prevent skin contact.

EYE PROTECTION:
Use chemical safety glasses, goggles, and faceshields for eye protection.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:
Engineering Controls: Use applicable engineering controls,work practices andpersonal protection equipment to ensure all concentrations are below exposure limits.

WORK/HYGIENIC PRACTICES:
Wash with soap and water before eating, smoking or using toilet facilities. Separately wash or discard clothing and footwear before reuse. Never try to remove ink from the skin by using solvent or thinner. Remove contaminated clothing to prevent prolonged contact.

========== SECTION IX - DISCLAIMER ==========

The information and recommendations contained in this Material Safety Data Sheet have been compiled from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the MSDS was prepared. No warranty, guaranty or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligations under any federal, state or local laws. <<<END>>>