U.S. DEPARTMENT OF LABOR

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

MATERIAL SAFETY DATA SHEET

***** H M I S MANUFACTURER'S NAME & ADDRESS EMERGENCY PHONE NO. HEALTH.... DUPLI-COLOR PRODUCTS 1-312-439-0600 FLAMMABILITY.... 1681 Nicholas Blvd. REACTIVITY Elk Grove Village, IL 60007 PERSONAL PROTECTION ... TRADE NAME DUPLI-COLOR ACRYLIC ENAMEL AEROSOL FORMULA..... CODE 409-14 ACRYLIC *************** SECTION 1I - HAZARDOUS INGREDIENTS **************** % WT. PEL TLU TLV ..CAS #., ... RAW MATERIAL NAME .. PPM PPM MG/M3 LEL RESIN(S)+PIGMENT(S) AS DUST * 14.2 0 NVA 8 8.0 90000-00-11.7 100 100 435 1.1 01330-20-XYLQL 199 90108-88-TOLUGL 23.3 200 375 1.2 1000 758 99967-64-1730 2.6 ACETONE 13.1 ETHYL 3-ETHOXYPROPIONATE 4.06 50 0 1.0 00763-69-1000 1000 2.3 88874-98-14.6 1800 PROPANE ISOBUTANE 14.6 1000 1000 1800 1.8 00075-28-- PRODUCT IS LEAD FREE - TOTAL = 100.0 CALCULATED 03/02/88 ///// *This is the Print/Out of a typical formula.* ///// * A DUST NUISANCE, A 0 for PEL or MG/M3 = NOT Established & 0 for LEL = NONE Carcinogenicity: THIS PRODUCT IS NOT CONSIDERED TO BE A CARCINOGEN BY THE NATIONAL TOXICOLOGY PROGRAM, the INTERNATIONAL AGENCY for RESEARCH on CANCER or the OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION. ጟኯ፟ዀፙፙፙፙፙፙፙፙፙፙፙፙፙፙፙፙፙፙፙፙፙፙፙፙፙፙፙፙፙፙፙፙፙፙፙፚፚቜጟጟጟቜፙፙፙፚፚፚፚፚፚፚፘቜጟፘጟፙፙፙፙፚ ************************* SECTION III -- PHYSICAL DATA ****************** SPECIFIC GRAVITY(WATER=1) = -1 BOILING POINT = -25 DEG. F % VOLATILE by VOLUME VAPOR PRESSURE(mm Hg) = 2280 EVAPORATION rate (Buac=1) = -1VAPOR DENSITY (AIR=1) = +1SOLUBILITY IN WATER = SLIGHT SOLUBILITY in WATER = NONE APPEARANCE & ODOR - TYPICAL OF PAINT AND LACQUER ******** SECTION IV - FIRE AND EXPLOSION HAZARD DATA ********** * RED LABEL * EXTREMELY FLAMMABLE * FHSA Method (1500.45) FLASH POINT -20 deg SETAFLASH C.C. * OSHA METHOD (1500.46) EXTINGUISHING MEDIA : Carbon dioxide or foam. SPECIAL FIRE FIGHTING PROCEDURES: Full protective equipment including selfcontained breathing apparatus should be used. Water may be ineffective on fire but can be used to cool containers. UNUSUAL FIRE and EXPLOSION HAZARDS : Do not use near open flames. Do not

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puncture containers. Containers may explode when exposed to extreme heat.

Form OSHA-28 'MSDS-5'

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****** SECTION U - HEALTH HAZARD DATA **************** THRESHOLD LIMIT VALUE -Bee Section 11

EFFECTS of SVEREXPOSURE

ACUTE: In a confined area vapors in high concentrations are anesthetic. Overexposure may result in lightheadness and staggering gait. Also an irritant to skin & upper respiratory system.

CHRONIC: Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system danage.

Medical Conditions Prone to Aggravation by Exposure: MONE ESTABLISHED. Routes of Entry: Inhalation: YES Skin: YES Ingestion: YES

EMERGENCY and FIRST AID PROCEDURES

IF INHALED: IF Affected, Remove from exposure. Restore breathing. Keep warm & quiet.

IF on EKIN: Wash affected area throughly with soap & water. Remove contamined clothing & launder before re-use.

IF ID EYES: Flush eyes with large amounts of water for 15 minutes. Gat medical attention.

IF SWALLOWED: CALL PHYSICIAN IMMEDIATELY. DO NOT INDUCE VOMITING.

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STABILITY - Stable HAZARDOUS DECEMPOSITION PRODUCTS By fire: Carpon Dioxide, Carbon Monoxide HAZARDOUS FOLYMERIZATION - Will Not Occur

******************** SECTION VII - SPILL OR LEAK PROCEDURES *************

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Remove all sources of ignition. Ventilate and remove with inert absorbent

WASTE DIEPOSAL METHOD

Do not burn or incinerate. Dispose of in accordance with Federal, State and Local regulations regarding pollution.

******************* SECTION VIII - PROTECTION INFORMATION *************

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using. Protect against dust which may be generated by sanding or abrading the dried film.

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to naterials in Section II is maintained below applicable linits.

RESPIRATORY PROTECTION

To avoid breathing vapors or spray mist, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches or dizziness, increase fresh air or wear respiratory protection (NIOSH/MSHA TC 23C or equivalent) or leave the area.

PROTECTIVE GLOVES Wear solvent resistant gloves if desired. EYE PROTECTION Wear chemical splash goggles, face shield, or safety spectacles with unperforated side shields.

PRECAUTIONS TO BE TAKEN IN HANDLING and STORAGE

Uapors may ignite explosively. Prevent build-up of vapors. Keep from sparks, heat, flame or other heat sources. Do not smoke. Turn off pilot lights, stoves, heaters, electric notors, and other sources of ignition during use and until all vapors are gone. Do not puncture or incinerate(burn) container. Exposure to heat or prolonged exposure to sun may cause bursting. Do not expose DO NOT DISCARD EMPTY CONTAINER IN HOME GARGAGE CONTAINER. to heat or store at temperatures above 128 degrees F.

OTHER PRECAUTIONS INTENTIONAL MISUSE BY DELIBERATE CONCENTRATING and INHALING THE CONTENTS MAY * KEEP AWAY FROM CHILDREN * OF UDOMEIN OF FATAL