

U.S. DEPARTMENT OF LABOR

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

MATERIAL SAFETY DATA SHEET

***** SECTION I *****
MANUFACTURER'S NAME & ADDRESS EMERGENCY PHONE NO. ***** H M I S *****DUPLI-COLOR PRODUCTS
6830 Cochran Road
Solon OH 44139-3908

1-708-439-0600

HEALTH..... 2
FLAMMABILITY..... 2
REACTIVITY..... 0
PERSONAL PROTECTION...ATRADE NAME 1/2 fl.oz SF TOUCHUP TUBE
FORMULA..... 409-1 ACRYLIC LACQUER

***** SECTION II - HAZARDOUS INGREDIENTS *****

.... RAW MATERIAL NAME..	% WT.	PEL PPM	TLV PPM	TLV MG/M3	LEL	..CAS #...
RESIN(S)+PIGMENT(S) AS DUST *	29.4	0	N/A	0	0.0	00000-00-0
METHYL ETHYL KETONE	18.4	200	200	590	1.8	00078-93-3
ETHYL ALCOHOL	3.4	1000	1000	1900	3.3	00064-17-5
METHYL ISOBUTYL KETONE	12.9	50	50	205	1.4	00108-10-1
TOLUOL	24.0	200	100	375	1.2	00108-88-3
ETHYL 3-ETHOXYPROPIONATE	11.9	0	50	0	1.0	00763-69-9

- PRODUCT IS LEAD FREE - TOTAL = 100.0

CALCULATED 01/27/88

///\\ *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.

***** SECTION III - PHYSICAL DATA *****

BOILING POINT = 230 DEG. F
VAPOR PRESSURE(mm Hg) = 17
VAPOR DENSITY (AIR=1) = +1
SOLUBILITY in WATER = SLIGHT
SOLUBILITY in WATER = NONESPECIFIC GRAVITY(WATER=1) = -1
% VOLATILE by VOLUME = +/-75
EVAPORATION rate (BuAc=1) = -1

APPEARANCE & ODOR - TYPICAL OF PAINT AND LACQUER

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

* RED LABEL * FLAMMABLE *

FLASH POINT 50 deg F. T.O.C.

EXTINGUISHING MEDIA : Carbon dioxide or foam.

SPECIAL FIRE FIGHTING PROCEDURES : Full protective equipment including self-
contained 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
puncture containers. Containers may explode when exposed to extreme heat.

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Form OSHA-20
'MSDS-5'

<G-7.25>

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***** SECTION V - HEALTH HAZARD DATA *****

THRESHOLD LIMIT VALUE -See Section II

EFFECTS of OVEREXPOSURE

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 damage.

Medical Conditions Prone to Aggravation by Exposure: NONE 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 SKIN: Wash affected area thoroughly with soap & water. Remove contaminated clothing & launder before re-use.

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

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

***** SECTION VI - REACTIVITY DATA *****

STABILITY - Stable

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION - 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 DISPOSAL 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 materials in Section II is maintained below applicable limits.

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.

***** SECTION IX - SPECIAL PRECAUTIONS *****

PRECAUTIONS TO BE TAKEN IN HANDLING and STORAGE

Vapors 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 motors, 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 to heat or store at temperatures above 128 degrees F. DO NOT DISCARD EMPTY CONTAINER IN HOME GARGAGE CONTAINER.

OTHER PRECAUTIONS

INTENTIONAL MISUSE BY DELIBERATE CONCENTRATING and INHALING THE CONTENTS MAY BE HARMFUL OR FATAL * KEEP AWAY FROM CHILDREN *

- - WRITTEN - 81/13/87 - PROG 'MSD-P2' (F-18.3)