

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

A-2000 SERIES

03/12/2002

Page: 1

CARDINAL INDUSTRIAL FINISHES EMERGENCY PHONE: (800) 424-9300 CHEMTREC
 1329 POTRERO AVE PREPARED BY: Richard A. Stewart
 S. EL MONTE, CA 91733

HMIS Codes
 H F R P
 2 + 4 0

INFORMATION PHONE: (626) 444-9274 or (323) 283-9335

FAX: (626) 444-0382

SECTION I PRODUCT INFORMATION

PRODUCT: A-2000 SERIES AEROSOL LACQUER

GENERAL DESCRIPTION: Industrial Aerosol Touch Up Paint

SECTION II HAZARDOUS INGREDIENTS

<u>INGREDIENT</u>	<u>EXPOSURE LIMITS</u>	<u>V. P.</u> (mmHg @ 20°C)	<u>CAS No.</u>	<u>% WT</u>
Acetone	OSHA PEL: 1000 PPM, ACGIH TLV: 300 PPM	185	67-64-1	25% - 30%
Propane Blend	OSHA PEL: 1000 PPM; ACGIH TLV: 1000 PPM	8.6	74-98-6	25% - 30%
Isobutyl Acetate	OSHA PEL: 150 PPM; ACGIH TLV: 150 PPM	13	110-19-0	10% - 15%
VM&P Naphtha	OSHA PEL: 300 PPM; ACGIH TLV: 300 PPM	10.2	64742-89-8	5% - 10%
* > Methyl Ethyl Ketone	OSHA PEL: 200 PPM; ACGIH TLV: 200 PPM	70	78-93-3	1% - 5%
> * Ethylene glycol mono butyl ether	OSHA PEL: 50 PPM; ACGIH TLV: 25 PPM	.9	111-76-2	1% - 5%
* Isopropyl Alcohol	OSHA PEL: 400 PPM, ACGIH TLV: 400 PPM	33	67-63-0	1% - 5%
Ethyl Alcohol	OSHA PEL: 1000 PPM, ACGIH TLV: 1000 PPM	1.59	64-17-5	1% - 5%

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III (de min. 1.0%)
 > Indicates a chemical regulated by EPA Clean Air Act Section 112(b) - Hazardous Air Pollutants.
 ! Indicates a substance regulated by RCRA Air Toxic Hot Spots for which emissions must be quantified.
 See Section XI.

SECTION III PHYSICAL DATA

BOILING RANGE: -44 deg F - 336 deg F
 VAPOR DENSITY: Heavier than air
 EVAPORATION RATE: Slower Than Ether
 % VOLATILE BY VOLUME: 94.50%
 % SOLIDS BY VOLUME: 5.527
 % EXEMPT BY VOLUME: 28.710
 VOC CONTENT: EXCLUDING EXEMPT: 5.19 lb/gal 621 g/l
 INCLUDING EXEMPT: 3.70 lb/gal 443 g/l
 EXACT MATCH TOUCHUP: MAX VOC 88% VOC

SPECIFIC GRAVITY: 0.77
 WEIGHT PER GALLON: 6.38 lb/gal
 % VOLATILE BY WEIGHT: 87.74%
 % SOLIDS BY WEIGHT: 12.264
 % EXEMPT BY WEIGHT: 29.741

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

A-2000 SERIES

03/12/2002

Page: 2

SECTION IV FIRE AND EXPLOSION RISKS

FLAMMABILITY CLASSIFICATION: Flammable Liquid Class 1A
FLASH POINT: -154 deg F **METHOD:** TCC **L.E.L.:** .9 **U.E.L.:** 19
EXTINGUISHING MEDIA: Foam, alcohol foam, CO2, dry chemical, water fog.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Heat will cause explosion of aerosol container due to increased pressure. Propane is explosive when exposed to flame. Isolate from heat, sparks, electrical equipment and open flame.

SPECIAL FIREFIGHTING PROCEDURES: Self-contained breathing apparatus with full facepiece operated in pressure demand or other positive pressure modes.

SECTION V HEALTH HAZARD DATA**EFFECTS OF OVEREXPOSURE:**

SKIN CONTACT: Slight irritation, dry skin, minor rashes.

EYE CONTACT: Moderate irritation, tearing or blurred vision.

INHALATION: May cause nasal irritation, sneezing and coughing.

INGESTION: Can cause gastrointestinal irritation, vomiting, nausea and diarrhea.

ACUTE: Can cause moderate skin irritation, defatting, dermatitis and tingling sensation. Can cause moderate eye irritation, redness, tearing and blurred vision.

CHRONIC: May produce liver and kidney damage, persistent coughing, brain damage and may even cause death.

CARCINOGENICITY: This product contains: NONE
(No carcinogenic chemicals are present

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Pre-existing respiratory conditions, Pre-existing skin disorders, liver and kidney disorders and allergies.

PRIMARY ENTRY ROUTES OF EXPOSURE: Dermal and Inhalation

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT: Flush with large quantities of water for 15 to 30 minutes. Get medical attention.

SKIN CONTACT: Wash exposed area with mild soap and water for 15 minutes. Remove contaminated clothing.

INHALATION: Remove victim to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Get immediate medical attention.

INGESTION: < DO NOT INDUCE VOMITING > Keep victim warm and seek immediate medical attention.

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

A-2000 SERIES

03/12/2002

Page: 3

SECTION VI REACTIVITY DATA**STABILITY:** Stable.**HAZARDOUS POLYMERIZATION:** Will not occur.**CONDITIONS TO AVOID:** Temperatures above 120°r.**INCOMPATIBILITY (MATERIALS TO AVOID):** Avoid contact with strong oxidizing agents.**HAZARDOUS DECOMPOSITION OR BY PRODUCTS:** Hazardous decomposition may produce carbon dioxide and/or carbon monoxide.**SECTION VII SPILL AND LEAK PROCEDURES****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Follow instructions in Sections IV, V, VI, VII and VIII to prevent health hazards. Eliminate all sources of ignition. Collect damaged aerosols and use absorbent material to clean-up liquid. Prevent from spreading to ground water. Place material in over-pack container for disposal.**WASTE DISPOSAL METHOD:** "DO NOT INCINERATE." Dispose of in accordance with applicable Local, State, and Federal Regulations. Avoid puncture of containers.**SECTION VIII SAFE HANDLING AND USE INFORMATION****RESPIRATORY PROTECTION:** If TLV of the product or any component is exceeded, a NIOSH approved Air Supplied Respirator is advised in absence of environmental control. OSHA Regulations also permit other NIOSH Respirators under specified conditions. (See your Safety Equipment Supplier) Engineering or administrative controls should be implemented to reduce exposure.**VENTILATION:** Provide sufficient mechanical (General and/or local exhaust) Ventilation to maintain exposure below the TLV's.**PROTECTIVE GLOVES:** Wear resistant gloves such as: polyvinyl alcohol coated or polyethylene.**EYE PROTECTION:** Do not get in eyes. Solvent resistant safety eyewear with splash guards or side shields is recommended.**OTHER PROTECTIVE EQUIPMENT:** Prevent repeated or prolonged skin contact, wear impervious clothing and work shoes.**HYGIENIC PRACTICES:** "Wash hands before eating or using the rest room, smoke in smoking areas only."

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

A-2000 SERIES

03/12/2002

Page: 4

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool place; emptied containers may retain product residuals (Vapors, Liquid, and/or Solids). All precautions given in this data sheet must be observed.

OTHER PRECAUTIONS: Propane may be narcotic in high concentrations. (OSHA TWA:1000 PPM, IDHL:2000 PPM, Z-1 TABLE). Acetone-OSHA TWA:1000 PPM, ACGIH TWA:750 PPM, ACGIH STEL 1000 PPM. Paint and solvents have been linked to liver abnormalities, kidney damage and lung damage. Follow precautions of this data sheet to prevent exposure.

SECTION X SHIPPING INFORMATION

D.O.T. SHIPPING NAME : Aerosol, flammable
D.O.T. HAZARD CLASS : 2.1
UN/NA NUMBER : UN1950
PACKAGING GROUP : n/a
D.O.T. LABELS REQUIRED : Flammable Gas

SECTION XI OTHER REGULATORY INFORMATION

Toxic Control Act: All components of this product are listed on the EPA TSCA Inventory or exempt from notification.

Canadian Environmental Protection: All of the components of this product are approved and listed on the Canadian Domestic Substance List or exempt from notification requirements.

California Proposition 65:

+ This product contains (a) chemical(s) known to the State of California to cause birth defects or other reproductive harm.

+ Toluene

108-88-3 0.16

The information contained in this Material Safety Data Sheet is considered to be true and accurate. Cardinal Industrial Finishes makes no warranties, expressed or implied, as to the accuracy and adequacy of this information. This data is offered solely for the user's consideration, investigation and verification.