

MATERIAL SAFETY DATA SHEET
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EMERGENCY PHONE NO.: (FOR SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT): 1-800-535-5053

***** ACRYLIC CONFORMAL COATING 34011*****

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: Acrylic Conformal Coating (aerosol)
 PRODUCT DESCRIPTION: A acrylic-based sealant used to form a thin, protective film which combats electrical shorts and prevents dendrite corrosion and crystalline oxidation on PC boards and other electronic devices containing electronic circuitry. VCI enhanced – provides continuous corrosion protection up to 5 years. Does not alter electronic resistance, magnetic or thermal properties of metal substrates.
 RESTRICTIONS: Non-restricted

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT NAME(S)	CAS#	OCCUPATIONAL EXPOSURE LIMITS	
		TLV OR PEL	ORAL LD-50
t-Butyl acetate	540-88-5	N.E	N.E.
Propane	75-28-5	1000 ppm	N.E.
Isobutane	74-98-6	800 ppm	N.E.

Carcinogenic: OSHA = no NTP = no IARC = no

SECTION III - PHYSICAL DATA

APPEARANCE: Clear liquid
 ODOR: Sweet solvent odor
 BOILING POINT: >200 degees F. (>93 degrees C.)
 VAPOR DENSITY: N.E.
 VAPOR PRESSURE : N.E.
 SOLUBILITY IN WATER: N.E.
 SPECIFIC GRAVITY: 0.87 to 0.90 Kg/L
 EVAPORATION RATE: N.E.

SECTION IV - FIRE AND EXPLOSION DATA

HMS RATING: Health – 1, Fire – 3, Reactivity - 0
 FLASH POINT (for hydrocarbon propellant, lowest flashing component): -156 degrees F. (-104 degrees C.)
 FLAMMABLE LIMITS (for propellant): LEL: 1.8 UEL: 9.5
 EXTINGUISHING MEDIA: CO2 or other dry chemical agents
 UNUSUAL FIRE AND EXPLOSION HAZARDS: Heated containers may over-pressurize and fail. Contents are flammable.
 SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should wear self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water fog.

SECTION V - HEALTH HAZARD DATA

EMERGENCY AND FIRST AID PROCEDURES:
Eye Contact: Flush eyes with water for at least 15 minutes. Consult a physician. Skin Contact: Wash affected area with soap and water. If irritation develops or persists, consult a physician. Inhalation: Remove victim to fresh air, administer oxygen if necessary. If victim has stopped breathing begin CPR. Get medical attention. Ingestion: If

material is swallowed, consult a physician immediately. DO NOT induce vomiting unless physician directed. If spontaneous vomiting occurs, keep victim's head below hops to prevent aspiration of vomitus into lungs.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: None known.

PRIMARY ROUTES OF ENTRY: Inhalation, skin and eye contact.

HEALTH HAZARDS (acute and chronic) / EFFECTS OF OVEREXPOSURE:

1. Eye contact with this product can cause irritation, redness, tearing, blurred vision and permanent damage.
2. Repeated or prolonged skin contact can cause moderate irritation and defatting of the skin possibly leading to dermatitis.
3. Excessive inhalation of solvent vapor from this product can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache and anesthetic effects.
4. Ingestion of this material can cause bronchopneumonia or pulmonary edema, which may be fatal.

SECTION VI - REACTIVITY DATA

STABILITY: Stable under normal use and storage conditions.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon.

INCOMPATIBILITY: Avoid strong oxidizing agents.

CONDITIONS TO AVOID: Avoid contact with incompatible materials, open flames or other ignition sources.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Ventilate area. Take up spilled material on an inert, absorbant material and transfer to a DOT approved closed-top waste container.

WASTE DISPOSAL: Dispose of waste or unwanted product in accordance with existing Federal, State and Local environmental regulations. May be incinerated by permitted facilities.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: Not normally required; mechanical (general) ventilation is usually adequate. A NIOSH approved respirator for organic vapors may be worn nuisance-level vapor concentrations, a positive pressure, air-supplied respirator is recommended in high vapor concentrations or oxygen-deficient atmospheres.

PROTECTIVE GLOVES: Chemical resistant rubber or plastic gloves.

EYE PROTECTION: Chemical safety goggles.

OTHER PROTECTIVE EQUIPMENT: Wear impervious aprons or other protective clothing as necessary. Eye wash station recommended near point of use.

SECTION IX - SPECIAL PRECAUTIONS AND STORAGE DATA

PRECAUTIONS TO BE TAKEN IN HANDLING: Avoid eye contact and prolonged or repeated skin contact with liquid. Avoid excessive inhalation of vapors. Use in a well-ventilated environment. Intentional inhalation of contents is harmful and may be fatal. Workers should thoroughly wash hands with soap and water prior to eating, drinking, smoking and using lavatory.

PRECAUTIONS TO BE TAKEN IN STORING: Store containers below 120 degeed F. (48 degrees C.) and away from heat sources, open flame and out of direct sunlight.

Acrylic Conformal Coating 34011

SECTION X - SHIPPING DATA

U.N./N.A. NUMBER: UN1950

DOT/IATA SHIPPING NAME: Aerosols, flammable, (each not exceeding 1L capacity)

DOT/IATA HAZARD CLASS.: 2.1

DOT/IATA REQUIRED LABELS: 2, Flammable gas (air shipments only)

DOT EXCEPTION: See Code 49 section 172.101, column (8A). Section 173.306(h) permits "limited quantity" materials (inner packagings which do not exceed 1L capacity / 61 cubic inches and for which internal pressures do not exceed 180 psig at 130 degrees F.) meeting section 171.8 definition of "consumer commodity" to be renamed "Consumer commodity", reclassified as ORM-D when shipped via ground mode, domestically.

IMDG SHIPPING NAME: Aerosols, flammable, (each not exceeding 1L capacity)

FREIGHT CLASS: NMFC 149980, Sub 2

LTL: 55

TL: 35

MW: 36

PREPARED BY: Roger Hanson

DATE PREPARED: 12-19-00

SUPERSEDES: 09-07-00

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N.E. = NOT ESTABLISHED

N.A. = NOT APPLICABLE