

MATERIAL SAFETY DATA SHEET
Cortec, Spray Technologies Division

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

*****PLAS-T-PAIR KITS*****

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: Kit # 36060, 35105, 35175, 35450

PRODUCT DESCRIPTION: A 2-part, plastics repair system consisting of (1) liquid and (2) powder portions. Forms permanent repairs, leaving repaired parts "stronger than when new". **Extremely flammable – not for use on, or near, energized equipment!**

RESTRICTIONS: Non-restricted

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT NAME(S)	CAS #	OCCUPATIONAL EXPOSURE LIMITS	
		TLV OR PEL	ORAL LD-50
Methyl Methacrylate	80-62-6	100ppm	7900 mg/kg (rats)
N, N-Dimethyl-aniline	121-69-7	5ppm	1350 mg/kg (rats)
Poly (Ethyl Methacrylate and Methyl acrylate mixture)	140-88-5	5 mg/m3	N.E.
Ethyl Acrylate	140-88-5	140-88-5	N.E.
Benzoyl Peroxide	94-36-0	5 mg/mg3	N.E.

Carcinogenic: **OSHA = No** **NTP = No** **IARC = No**

SECTION III - PHYSICAL DATA

APPEARANCE: Liquid / powder mixture is opaque, off white colored liquid

ODOR: Liquid / powder mixture possesses strong, acrid odor

BOILING POINT: N/E for liquid / powder mixture

VAPOR DENSITY (Air =1): >1

VAPOR PRESSURE: 29 mmHg (liquid portion)

SOLUBILITY IN WATER: Nil

EVAPORATION RATE (n-BuAc = 1): >1(liquid portion)

SPECIFIC GRAVITY: 1.18 (liquid / powder mixture)

SECTION IV - FIRE AND EXPLOSION DATA

HMIS RATING: Health – 2, Fire – 3, Reactivity - 2

FLASH POINT: 49 degrees F. (9.44 degrees C.)

FLAMMABLE LIMITS: LEL: 2.12 UEL: 12.5

EXTINGUISHING MEDIA: Alcohol foam, CO2, dry chemical.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapor / air mixtures are highly flammable and can be ignited by pilot lights, fires, sparks, heaters, electric motors, static discharges or other ignition sources distant from point of material handling. Heated containers of liquid portion from kits may rupture explosively due to polymerization.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters 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 immediately. **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 immediate 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 hips to prevent aspiration of vomitus into lungs.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY

EXPOSURE: Pre-existing skin and lung conditions

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

HEALTH HAZARDS (acute and chronic) / EFFECTS OF OVEREXPOSURE: **Skin** - irritation with discomfort or rash; **Eye** - severe irritation with tearing, blurred vision or possible corneal damage; **Inhalation** - temporary lung irritation, coughing, difficulty breathing, temporary blood pressure increase, sensory nervous system effects such as numbness or coldness of extremities, abnormal kidney function can occur with extreme inhalation overexposures.

SECTION VI - REACTIVITY DATA

STABILITY: Unstable with heat while in uncured state

HAZARDOUS POLYMERIZATION: Polymerization of liquid can occur with excessive heat

HAZARDOUS DECOMPOSITION PRODUCTS (under fire conditions): Oxides of carbon, nitrogen oxide gas, biphenyl

INCOMPATIBILITY: Avoid contact with strong oxidizing agents, strong acids, reducing agents, including clay.

CONDITIONS TO AVOID: Avoid heat, flame, all other potential ignition sources.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Immediately extinguish ignition sources, ventilate area. Take up spilled liquid / uncured mixtures of this material on inert, non-flammable absorbant materials using non-sparking utensils and place into a closed-top, DOT approved waste container for disposal. Prevent spilled material from entering sewers or drains.

WASTE DISPOSAL: Dispose of waste or unwanted material in accordance with existing Federal, State and Local environmental regulations. Liquid and powder may be reclaimed or incinerated by permitted facilities.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: If vapor levels in air exceed 100 ppm, A NIOSH approved organic vapor respirator should be worn; where vapor concentrations are unknown or work atmosphere is oxygen-deficient, a positive pressure, air-supplied respirator must be worn.

PROTECTIVE GLOVES: Nitrile or butyl rubber gloves

EYE PROTECTION: Safety glasses, splash goggles, face shield

OTHER PROTECTIVE EQUIPMENT: Eye wash station.

SECTION IX - SPECIAL PRECAUTIONS AND STORAGE DATA

PRECAUTIONS TO BE TAKEN IN HANDLING: Avoid eye and 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.

(continued on page 2)

Page 2

Plas-T-Pair Kits 35060, 35105, 35175, 35450

PRECAUTIONS TO BE TAKEN IN STORING: Store containers below 120°F (48°C), away from heat or ignition sources, open flame, out of direct sunlight and TIGHTLY capped!

SECTION X – SHIPPING DATA

(NOTE: Only liquid portion of the kit is regulated as hazardous material when shipped – classify kit as “liquid” for shipment.)

DOT SHIPPING NAME: Flammable liquids, n.o.s. (Methyl Methacrylate Monomer, Inhibited / N,N-Dimethylaniline)

U.N./N.A. NUMBER: UN1993

PACKING GROUP: PG II

DOT HAZARD CLASS: 3

DOT REQUIRED LABEL: 3, Flammable liquid (air shipment only)

DOT EXCEPTION: See Code 49 section 172.101, column (8A). Section 173.150(c) permits “limited quantity” PGII material (inner packagings which do not exceed 1.0L / 0.3 gallons each, packaged in strong outer packagings) which meets section 171.8 definition of “consumer commodity” to be renamed “Consumer commodity”, reclassified as ORM-D when shipped via ground mode, domestically.

FREIGHT CLASS: NMFC 43940, Sub 2

LTL: 85

TL: 50

MW: 24

T.S.C.A. STATUS: All components listed

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APPROVED BY: Margarita Kharshan, Lab Director

DATE PREPARED: 05-21-08

SUPERSEDES: 01-26-00

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N.E. = NOT ESTABLISHED

N.A. = NOT APPLICABLE