MATERIAL SAFETY DATA SHEET

NORMAC ADHESIVE PRODUCTS

NR-9500 Part "B" ______

SECTION I - SUPPLIER AND MATERIAL IDENTIFICATION ______

Normac Adhesive Products Inc.

4390 Corporate Drive

Burlington, Ontario L7L 5R3

Fax: (905) 332-6880 Tel: (905) 332-6455

Emergency Phone Number Only: (Canutec) (613) 996-6666

Corrosion Resistant Metal Primer Product Class:

Polyurethane Resin Chemical Family:

Trade Name: Normac NR-9500 Part "B"

Cas No .: Mixture

Supplier's Name:

_______ SECTION II - HAZARDOUS INGREDIENTS _______

	Cas No.	% W.W.	TLV (ACGIH) ppm
Methyl Ethyl Ketone	78-93-3	25-45	200 ppm TLV ACGIH
4,4-Methylene Bisphenyl Isocvanate	101-68-8	30-40	.005 ppm TLV ACGIH

SECTION III - PHYSICAL DATA _______

1.03 Specific Gravity:

< 1 Poise Viscosity:

75°C Boiling Point:

72 mm Hg @ 20°C Vapour Pressure:

% Volatility: 25-45

Odour: Acetone-like smell

Appearance: Clear amber coloured liquid

SECTION IV - FIRE AND EXPLOSION DATA

Flash Point: -7°C (TCC)

Flammable Limits in Air: 1.8 LEL 11.5 UEL

Auto Ignition Temp: 514°C

Extinguishing Media: AFFF Foam, Carbon Dioxide, Alcohol Foam, Dry Chemical and water.

Unusual Fire and Explosion Hazards: Vapours may travel to a source of ignition some distance away and then flash back to the point of product release causing an explosion and fire.

Special Fire Fighting Procedure: Fire Fighters should wear self contained breathing apparatus and full protective clothing.

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SECTION V - REACTIVITY DATA

Stability: Stable under normal conditions of use.

Conditions to Avoid: Elevated temperatures, pressures, sparks, open flames and all sources of ignition.

Incompatibility: Water, strong oxidizing agents and active hydrogens.

Hazardous Decomposition Products: May produce phenol, vinyl chloride and oxides of nitrogen and carbon.

Hazardous Polymerization: Will not occur.

SECTION VI - HEALTH RELATED DATA

Exposure Limits: See hazardous ingredients list

Effects of Overexposure: EYES: Causes redness and irritation. SKIN: May cause defatting, drying and cracking of the skin. Prolonged and repeated contact may lead to dermatitis.

INHALATION: Irritating to the nose, throat and respiratory tract. May cause central nervous system depression, cardiac arrhythmia and carboxyhemoglobinemia. INGESTION: Causes irritation to the mouth and throat and abdominal pain. May cause symptoms similar to that of inhalation.

Animal Data: Oral LD50 (Rats): 2737 mg/kg

Dermal LD50 (Rabbits): 13 g/kg Inhalation (Mouse): 9610 ppm

Carcinogenicity: Product is not classified as carcinogenic by ACGIH and IARC.

Mutagenicity: Product does not have mutagenic/reproductive/teratogenic and fetotoxic effects.

FIRST AID

Eyes: Immediately flush with water for at least 20 minutes. Hold eyelids open during flushing. Get medical attention.

Skin Contact: Clean exposed area with a clean cloth followed by isopropanol, soap and water for 20 minutes. Get medical attention.

SECTION VI - HEALTH RELATED DATA (Continued)

FIRST AID (Continued)

Inhalation: Move victim to fresh air. Aid or restore breathing if necessary. Get medical attention.

Ingestion: DO NOT INDUCE VOMITING. If victim is alert rinse mouth and give 1 glass of water to dilute material. Get medical attention.

Special Precautions: This product may cause severe pneumonitis if aspirated. Carry out careful gastric lavage; use endotracheal cuff to prevent aspiration. Do not give vasopressor drugs as there may be the danger of cardiac arrhythmia.

SECTION VII - SPILL, LEAK PROCEDURES

Storage and Handling: Store in a cool, well ventilated area. Keep away from heat, sparks and flames. Use personal protective equipment.

Spills: Cover spills with inert absorbent material. Wear full protective equipment, saturate spill with neutralizing solution (1% ammonia in water + 10% isopropanol in water) and then ventilate the area.

Waste Disposal: In accordance with local, provincial/state and federal regulations. Do not dispose in garbage or sewer systems.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: A NIOSH/MSHA approved air purifying respirator equipped with organic

vapour cartridges up to 100 ppm and an air supplied respirator for > 100 ppm.

Protective Gloves: Impervious rubber gloves should be worn

Eye Protection: Wear chemical safety goggles

Skin Protection: Wear and impermeable apron and boots to cover exposed skin.

Ventilation: Local exhaust ventilation is required to prevent against over exposure to vapours.

SECTION IX - REGULATORY INFORMATION

B.2, D-2B

Proper Shipping Name:

FLAMMABLE LIQUID N.O.S. (Ethyl Methyl Ketone)

Product Label:

Normac NR-9500 Part "B"

UN Number:

WHMIS:

UN 1993

TDG: (IATA)

UN 1993 Cl. 3 Pkg. II

(IMO)

UN 1993 Cl. 3.2 Pkg. II

Hazard Labelling:

Flammable

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