B102-0076 Spray Adhesive
103-0193

MATERIAL SAFETY DATA SHEET

RPM Wood Finishes Group
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EMERGENCY PHONE (CHEM TREC): 1-800-424-9300
FOR ALL INTERNATIONAL TRANSPORTATION ACCIDENTS. . . . . .1-703-527-3887 (collect)

Health: 2 **Flammability: 4** **Reactivity 0**

PRODUCT NAME: B102-0076 Spray Adhesive

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

REVISION DATE:	15/03/02
SUPERCEDES:	None
MSDS NO.	B102-0076

II. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%	CAS #	PEL
Dichloromethane	31-40	75-09-2	25 ppm TWA; 125 ppm STEL (15 min. TWA)
Toluene	11-20	108-88-3	200 ppm TWA; C 300 ppm
acetone	11-20	67-64-1	1000 ppm TWA; 2400 mg/m3 TWA
Propane	11-20	74-98-6	1000 ppm TWA; 1800 mg/m3 TWA
Ethylene Vinyl Acetate Copolymer	11-20	24937-78-8	No PEL established
Isobutane	1-10	75-28-5	No PEL established
Vinyl acetate	<1	108-05-4	No PEL established

III. HAZARDS IDENTIFICATION

Routes of Entry: Inhalation., Absorption., Ingestion., Skin contact., Eye contact.
Medical Conditions Aggravated: Eye disease. Skin disease including eczema and sensitization. Respiratory disease including asthma and bronchitis. Kidney disease. Liver disease.

Immediate (Acute) Health Effects

Inhalation: High concentrations may be fatal. High concentrations in immediate area can displace oxygen and can cause dizziness, unconsciousness, and even death with longer exposure.Can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.

Skin Contact: Substance causes moderate skin irritation. Can cause severe irritation, defatting, and dermatitis. Irritation effects may last for hours or days but will not likely result in permanent damage.

Eye Contact:	Can cause irritation.Can cause severe irritation. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Temporary vision impairment (cloudy or blurred vision) is possible.
Skin Absorption:	Can be absorbed through the skin but exposure must be extensive before adverse health effects occur.Harmful if absorbed through the skin. May cause severe irritation and systemic damage.
Ingestion:	Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.

Target Organ Acute Toxicity:

Methylene chloride	skin, CVS, eyes, CNS (in animals: lung, liver, salivary gland and mammary gland tumors)
Toluene	CNS, liver, kidneys, skin, eyes, respiratory system
Acetone	respiratory system, skin, eyes, CNS
Propane	CNS
Isobutane	CNS
Vinyl acetate	eyes, skin, respiratory system

Long-Term (Chronic) Health Effects:

Carcinogenicity:	Contains a substance that is a probable cancer hazard based on human studies.
Reproductive and Developmental Toxicity:	Possible reproductive hazard.
Mutagenicity:	No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.
Skin Contact:	Prolonged or repeated contact may cause irritation.
Target Organ Chronic Toxicity:	Eyes. Skin. Nervous System. Respiratory Tract. Kidneys. Liver.
Supplemental Health Hazard Information:	No additional health information available.

IV. FIRST AID

Inhalation:	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately.
Eyes:	Serious harm (damage) may result if treatment is delayed.{ Continue to flush eyes while awaiting medical attention.{ Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.

Skin Contact:	Wash with soap and water. Remove contaminated clothing, launder immediately, and discard contaminated leather goods. Get medical attention immediately.
Ingestion:	Never give anything by mouth to an unconscious person.{ Induce vomiting as a last measure. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal.Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Provide medical care provider with this MSDS.
Notes to MD:	No additional first aid information available.

V. FIRE FIGHTING MEASURES

Flammability Summary:

Flash Point:	-144C;-97F
Autoignition Temperature:	450 deg. C
Upper Flammable/Explosive Limit, % in air:	22.0 @ 77° F
Lower Flammable/Explosive Limit, % in air:	1.4 @ 77° F
Fire Hazards:	Flammable Liquid. Can release vapors that form explosive mixtures at temperatures at or above the flash point.Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source of ignition and flash back.
Extinguishing Media:	Use methods suitable to fight surrounding fire. Alcohol foam Use alcohol resistant spray, Carbon Dioxide, water spray or dry chemical to extinguish a fire involving this chemical. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and keep exposed material from being damaged by fire.
Fire Fighting Instructions:	Flammable Liquid. Can release vapors that form explosive mixtures at temperatures at or above the flash point.Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source of ignition and flash back.
Hazardous Combustion Products:	Carbon dioxide, Carbon monoxide

VI. ACCIDENTAL RELEASE MEASURES

Health Consideration for Spill Response:	Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section VIII of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.

Spill Mitigation Procedures General Methods:	Gather and store in a sealed container pending a waste disposal evaluation.Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section VIII at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

VII. HANDLING AND STORAGE

Handling:	Use spark-proof tools and explosion-proof equipment. Wash thoroughly after handling. Avoid contact with material. Remove contaminated clothing and wash before reuse. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous.
Storage:	Keep away from sources of ignition. Keep away from heat, sparks, and flame.

VIII. ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

Engineering Controls:	Ventilation should effectively remove and prevent buildup of any vapor/mist/fume generated from the handling of this product. Explosion proof exhaust ventilation should be used.

Protective Equipment

Respiratory Tract:	Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2-1992). A written respiratory protection program, including provisions for medical certification, training, fit testing, exposure assessments, maintenance, inspection, cleaning, and convenient, sanitary storage should be implemented.
Eyes:	Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses. Have an eye wash station available.
Skin:	Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

IX. PHYSICAL DATA

Physical State:	CLEAR LIQUID
Odor:	STRONG SOLVENT
Solids Vol %:	11.4945
Solids Wt %:	13
Material VOC lbs/gal:	5.2038
Material VOC gms/l:	624.9254
Weight per gallon:	7.2524

X. STABILITY AND REACTIVITY

Stability Information:	Stable.

Conditions to Avoid: High temperatures. Avoid: heat, sparks, flame and oxidizing agents.

Chemical Incompatibility: Strong oxidizing agents. Caustics (bases). Strong acids. Acids. Oxidizing materials. Peroxides. Strong alkalies.

XI. TOXICOLOGICAL INFORMATION

Chemical Name	CAS Number	LD50/LC50
Methane, dichloro-	75-09-2	Inhalation LC50 Rat : 52 gm/m3; Inhalation LC50 Mouse : 14400 ppm/7H; Oral LD50 Rat : 1600 mg/kg
Toluene	108-88-3	Inhalation LC50 Rat : 49 gm/m3/4H; Inhalation LC50 Mouse : 400 ppm/24H; Oral LD50 Rat : 636 mg/kg; Dermal LD50 Rabbit : 14100 uL/kg
Acetone	67-64-1	Inhalation LC50 Rat : 50100 mg/m3/8H; Inhalation LC50 Mouse : 44 gm/m3/4H; Oral LD50 Rat : 5800 mg/kg; Oral LD50 Mouse : 3 gm/kg
Propane, 2-methyl-	75-28-5	Inhalation LC50 Rat : 57 pph/15M
Acetic acid, vinyl ester	108-05-4	Inhalation LC50 Rat : 11400 mg/m3/4H; Inhalation LC50 Mouse : 1550 ppm/4H; Oral LD50 Rat : 2920 mg/kg; Oral LD50 Mouse : 1613 mg/kg; Dermal LD50 Rabbit : 2335 mg/kg

XII. ECOLOGICAL INFORMATION

Overview (for ingredients): Keep out of waterways.

Ecological Toxicity Values:

XIII. DISPOSAL CONSIDERATIONS

Waste Description for Spent Product: The waste may be a "special" waste. The waste may be a listed and/or characteristic hazardous waste.Spent or discarded material is a hazardous waste.

Disposal Methods: Comply with all Local, State, Federal, and Provincial Environmental Regulations.Dispose of by incineration following Federal, State, Local, or Provincial regulations.

Potential EPA Waste Codes: If discarded, this product is considered a RCRA ignitable waste, D001.

Components Subject to USEPA Land Disposal Restrictions:

Methylene chloride	75-09-2	35.8 %
Toluene	108-88-3	16.86 %
Acetone	67-64-1	14.87 %

XIV. TRANSPORTATION INFORMATION

DOT Flammable gas (2.1) UN1950 G126;Quart or less ship: ORM-D

XV. REGULATORY INFORMATION

Toxic Substances Control Act (TSCA): A component (or components) of this product is not listed on the TSCA Inventory of Existing Chemical Substances.

Chemical Name	Regulation	CASRN	%
Dichloromethane (Methylene chloride)	SARA 313 Reportable:	75-09-2	35.8
Toluene	SARA 313 Reportable:	108-88-3	16.86
Vinyl acetate	SARA 313 Reportable:	108-05-4	0.12
Vinyl acetate monomer	Extremely Haz. Substances:	108-05-4	0.12
TPQ = 1000 pounds; RQ = 5000 pounds	SARA Threshold Planning Quantity:	108-05-4	0.12
Dichloromethane (Methylene chloride)	California Proposition 65 Cancer List:	75-09-2	35.8
Toluene	California Proposition 65 Developmental Toxicity:	108-88-3	16.86
Dichloromethane	New Jersey Right To Know:	75-09-2	35.8

Toluene	New Jersey Right To Know:	108-88-3	16.86
acetone	New Jersey Right To Know:	67-64-1	14.87
Propane	New Jersey Right To Know:	74-98-6	13.25
Vinyl	New Jersey Right To Know:	24937-78-8	12.14

XVI. ADDITIONAL INFORMATION

Other Information:

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MSDS glossary.