777x SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT AND SUPPLIER'S IDENTIFICATION

Product Name: 777x Polymat Upholstery Adhesive
Version Number: 1.0
Company Information: Polymat, LLC
5850 Sheldon Rd.
Van Buren, MI 48111
USA
Polymat.com

Telephone: 734-895-3943
Emergency Phone: 1-866-836-8855
Recommended Use: Spray Adhesive

SECTION 2: HAZARD IDENTIFICATION

Hazard Classification:
Flammable Aerosol: Category 1
Gas Under Pressure: Liquefied gas.
Serious Eye Damage/ Irritation: Category 2B
Skin Irritation: Category 1
Specific Target Organ Toxicity (Single Exposure): Category 1
Specific Target Organ Toxicity (Repeated Exposure): Category 3

Signal Word:
Danger

Hazardous Statements:
Extremely flammable aerosol

Pictograms:

Hazardous Statements:
Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.
Causes eye irritation.
May cause respiratory irritation.
May cause drowsiness or Dizziness.
May cause damage to organs.
Causes skin irritation.

Precautionary Statements-General:
Keep out of reach of children.
Read label before use.

Precautionary Statements - Prevention:
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Do not spray on an open flame or other ignition source.
Use only outdoors or in a well-ventilated area.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Do not handle until all safety precautions have been read and understood.
Do not eat, drink or smoke when using this product.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not pierce or burn, even after use.
Precautionary Statements-Response:
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Get Medical advice/attention if you feel unwell.
IF ON SKIN: Wash with plenty of water/Specific treatment (see on this label).
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing. And wash it before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
IF exposed or concerned: Get medical advice/attention.
IF SWALLOWED: Call a POISON CENTER/doctor/... if you feel unwell. Rinse mouth.
Precautionary Statements - Storage:
Store locked up in a well-ventilated place.
Keep container tightly closed.
Protect from sunlight.
Do not expose to temperatures exceeding 50 °C/122 °F.
Precautionary Statements - Disposal:
Dispose of contents/container to disposal recycling center. Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.
Precautionary Statements - Notes to Physician:
Exposure may increase myocardial irritability. Do not administer sympathomimetic drugs unless absolutely necessary.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS. No.	% by Wt
Non-volatile components	Trade Secret*	15 – 20 Trade Secret*
Dimethyl Ether	115-10-6	15 – 25 Trade Secret*
Propane	74-98-6	5 – 10 Trade Secret*
Isobutane	75-28-5	5 – 8 Trade Secret*
N-Butane	106-97-8	5 – 8 Trade Secret*
Acetone	67-64-1	10 – 15 Trade Secret*

Ingredient	CAS. No.	% by Wt
Methyl Acetate	79-20-9	15 – 25 Trade Secret*
Cyclohexane	110-82-7	5 – 10 Trade Secret*
Hexane	110-54-3	5 – 10 Trade Secret*

*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

Inhalation:

Remove source of exposure or move person to fresh air and keep comfortable for breathing. Get medical attention.

If exposed/feel unwell/concerned: Call a POISON CENTER/doctor.

Eliminate all ignition sources if safe to do so.

Skin Contact:

Take off immediately all contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Gently blot or brush away excess product. Wash with plenty of lukewarm, gently flowing water for a duration of 15-20 minutes. Call a POISON CENTER/doctor if you feel unwell. Store contaminated clothing under water and wash before reuse or discard.

IF exposed or concerned: Get medical advice/attention.

Eye Contact:

Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If signs/symptoms persists: Get medical advice/attention.

Ingestion:

Ingestion is not an applicable route of exposure.

If ingestion occurs, rinse mouth with a small amount of water. Immediately call local poison control center or go to an emergency department. Never give anything by mouth to an unconscious or drowsy person.

SECTION 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Use a fire fighting agent suitable for the surrounding fire.

Special hazards arising from the substance or mixture:

Closed containers exposed to heat from fire may build pressure and explode.

Hazardous Decomposition or By-Products:

Substance	Condition
Carbon monoxide	During Combustion
Carbon dioxide	During Combustion
Irritant Vapors or Gases	During Combustion

Special protective actions for fire-fighters:

No special protective actions for fire-fighter are anticipated.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:
Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Ventilate the area with fresh air. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

Environmental Precautions:
Avoid release to the environment.

Methods and Material for Containment and Cleaning Up:
If possible, seal leaking container. Place leaking containers in a well-ventilated area, preferably an operating exhaust hood, or if necessary outdoors on an impermeable surface until appropriate packaging for the leaking container or its contents is available. Close cylinder. Collect as much of the spilled material as possible using non-sparking tools. Place in a metal container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling:
Keep out of reach of children. Keep away from heat/sparks/open flames/hot surfaces. -No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.)

Conditions for safe storage including any incompatibilities:
Store in a well-ventilated place. Keep container tightly closed. Protect from sunlight.

Do not expose to temperatures exceeding 50℃/122℉. Store away from heat. Store away from acids. Store away from oxidizing agents.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational exposure limits:
If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

Ingredient	C.A.S. No.	Agency	Limit type	Additional comments
Dimethyl ether	7631-86-9	ACGIH	TWA:350ppm	
Dimethyl ether	7631-86-9	OSHA	TWA:1450mg/m^3	
Methyl acetate	79-20-9	ACGIH	TWA:200	
Methyl acetate	79-20-9	OSHA	TWA:610mg/m^3	

ACGIH: American Conference of Governmental Industrial Hygienists
AIHA: American Industrial Hygiene Association
CMRG: Chemical Manufacturer's Recommended Guidelines
OSHA: United States Department of Labor -Occupational Safety and Health

Administration
TWA: Time-Weighted-Average
STEL: Short Term Exposure Limit
CEIL: Ceiling

Exposure controls

Appropriate Engineering Controls:

Do not remain in area where available oxygen may be reduced. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray.
If ventilation is not adequate, use respiratory protection equipment.

Personal protective equipment (PPE)

Eye/face Protection:

Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for entire face, use in combination with a face shield.
The following eye/face protection(s) are recommended:
Safety Glasses with side shields

Skin Protection:

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Use of an apron and over- boots of chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.
Gloves made from the following material(s) are recommended: Nitrile Rubber

Respiratory Protection:

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure: Half facepiece or full facepiece supplied-air respirator Organic vapor respirators may have short service life.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

General Physical form:	Gas
Specific Physical Form:	Aerosol
Odor, Color, Grade:	clear, light green tea odor
Odor threshold	No Data Available
pH	No Data Available
Melting point	Not Applicable
Boiling Point	Not Applicable

Flash Point	-40℃ (Closed Cup)
Evaporation rate	1.9 [Ref Std: ETHER=1]
Flammability (solid, gas)	Flammable Aerosol: Category 1.
Flammable Limits (LEL)	No Data Available
Flammable Limits (UEL)	No Data Available
Vapor Density	2.95 [Ref Std: AIR=1]
Density	0.782 g/ml
Specific Gravity	0.782 [Ref Std: WATER=1]
Solubility in Water	Nil
Solubility – non-water	No Data Available
Partition coefficient: n-0ctanol/water	No Data Available
Autoignition temperature	No Data Available
Decomposition temperature	Not Applicable
Viscosity	Not Applicable
Hazardous Air Pollutants	≤0% weight
Molecular weight	No Data Available
Volatile Organic Compounds	< 54%
Solids Content	18-25%

SECTION 10: STABILITY AND REACTIVITY

Reactivity

This material may be reactive with certain agents under certain conditions.

Stability:

Stable.

Possibility of hazardous reactions

Hazardous polymerization will not occur.

Conditions to Avoid:

Avoid heat, flames and sparks, avoid high temperatures, direct sunlight and contact with incompatible materials.

Incompatible Materials:

Avoid contact with strong oxidizers, reducers, acids, and alkalis.

Hazardous Decomposition Products:

Smoke, carbon monoxide and carbon dioxide may form in the event of incomplete combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

Information on Toxicological effects

Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material

may produce the following health effects:

Inhalation:

Intentional concentration and inhalation may be harmful or fatal.

Simple Asphyxiation: Signs/symptoms may include increased heart rate, rapid respirations, drowsiness, headache, incoordination, altered judgement, nausea, vomiting, lethargy, seizures, coma, and may be fatal.

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Maycause additional health effects (see below).

Skin Contact:

Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness.

Eye Contact:

Severe Eye Irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

Ingestion:

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Additional Health Effects:

Single exposure may cause target organ effects:

Central Nervous System (CNS) Depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

Single exposure, above recommended guidelines, may cause: Cardiac Sensitization: Signs/symptoms may include irregular heartbeat (arrhythmia), faintness, chest pain, and may be fatal.

Toxicological Data

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

Acute Toxicity:

Name	Route	Species	Value
Overall product	Ingestion	Rat	No data available; calculated ATE > 5,000 mg/kg
Dimethyl ether	Inhalation gas (4 hours)	Rat	LC50 > 200,000 ppm
Methyl acetate	Dermal	Rat	LD50 > 2,000 mg/kg
Methyl acetate	Inhalation gas (4 hours)	Rat	LC50>49 mg/l

SECTION 12: ECOLOGICAL INFORMATION

Toxicity:

Harmful to aquatic life with long lasting effects.

Persistence and Degradability:

No data available.

Bio-accumulative Potential:
No data available.
Mobility in Soil:
No data available.
Other Adverse Effects:
No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods
Dispose of contents/container in accordance with the local/regional/national/ international regulations.
Dispose of waste product in a permitted industrial waste facility. The facility should be equipped to handle gaseous waste.
Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated& disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.
EPA Hazardous Waste Number (RCRA): D001 (Ignitable)

SECTION 14: TRANSPORT INFORMATION

U.S. DOT Information:
Ground Transportation: (Continental United States, Canada & Mexico): Consumer Commodity ORM-D
IMDG Information:
Shipping Name: Aerosols, flammable
UN/NA #: 1950
Hazard Class: 2.1
Marine Pollutant: No data available
IATA Information:
We do NOT recommend this product to be shipped via air. It would need to be repacked by an authorized packing company and the DG would have to be completed by a licensed hazardous material shipping company.

SECTION 15: REGULATORY INFORMATION

311/312 Hazard Categories:
Fire Hazard –Yes Pressure Hazard -Yes Reactivity Hazard –No
Immediate Hazard -Yes Delayed Hazard -Yes
Chemical Inventories:
The components of this product are in compliance with the chemical notification requirements of TSCA.

SECTION 16: OTHER INFORMATION

NFPA Hazard Classification
Health: 2 Flammability: 4 Instability: 0 Special Hazards: None
Aerosol Storage Code: 3
National Fire Protection Association (NFPA) hazard ratings are designed for use by

emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

HMIS Hazard Classification

Health: 2 Flammability: 4 Physical Hazard: 0 Personal Protection: X

Hazardous Material Identification System (HMIS® IV) hazard ratings are designed to inform employees of chemical hazards in the workplace. These ratings are based on the inherent properties of the material under expected conditions of normal use and are not intended for use in emergency situations. HMIS® IV ratings are to be used with a fully implemented HMIS® IV program. HMIS® is a registered mark of the American Coatings Association (ACA).

DISCLAIMER:

The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. Polymat MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the Polymat product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a Polymat product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the Polymat product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.