SAFETY DATA SHEET

Trade Name	TAC-735 Infusion Molding Adhesive
SDS #	S-0101 V2
Date of Issue	03/26/2025
Replaces (Date/Revision #)	06/28/2024 – V1
Effective Date	03/26/2025

SECTION 1 – IDENTIFICATION

Product Name: TAC-735 Infusion Molding Adhesive – HAPS Free Mist Spray

Other Means of Identification: TAC-735-22L, TAC-735-108L, TAC-735R-22L, TAC-735R 108L

Product Code Number: TAC-735, TAC-735R

Recommended Use: Adhesive Tackifier

Recommended Restrictions: Uses other than those described above

Suppliers Details

Company:

Forza, Inc.

3211 Nebraska Ave, Suite #300

Council Bluffs, IA 51501, USA

Company Phone Number:

402-731-9300 (Available 8:00 am – 4:30 pm CST)

Emergency Phone Number:

Chemtrec 1(800)-424-9300

SECTION 2 – HAZARD IDENTIFICATION

GHS Classification:
Flammable Liquid (Category 2)
Flammable Gas (Category 1)
Gas Under Pressure – Compressed Gas
Aspiration Hazard (Category 1)
Eye Irritation (Category 2A)

STOT SE (Category 3)
Simple Asphyxiant

GHS Label Elements:

Signal Word: DANGER

Hazard Pictograms:

Hazard Statements:
H225: Highly flammable liquid and vapor.
H220: Extremely flammable gas.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
H304: May be fatal if swallowed and enters airways.
May cause suffocation in confined spaces.

Precautionary Statements:
Keep away from heat, sparks, open flames, and hot surfaces.
Use explosion-proof equipment.
Avoid breathing vapors or gas.
Use only outdoors or in a well-ventilated area.
Wear protective gloves, protective clothing, and eye protection.
Store in a well-ventilated place, keep container tightly closed.
Dispose of contents/container in accordance with local regulations.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Substance Name	CAS Number	% w/w	GHS Classification
Methyl Acetate	79-20-9	30-40%	Flammable Liquid (Category 2), Eye Irritation (Category 2A)
Heptane	142-82-5	10-15%	Flammable Liquid (Category 2), Aspiration Hazard (Category 1), STOT SE (Category 3)
Propane	74-98-6	10-15%	Flammable Gas (Category 1), Simple Asphyxiant
Isobutane	75-28-5	10-15%	Flammable Gas (Category 1), Simple Asphyxiant
Red Dye	Proprietary	< 1%	Not Classified
Other Non-Hazardous Components	Proprietary	20-30%	Not Classified

SECTION 4 – FIRST-AID MEASURES

Inhalation: Move to fresh air. If breathing is difficult, administer oxygen and seek medical attention.
Skin Contact: Wash with soap and water. Remove contaminated clothing.
Eye Contact: Flush with water for at least 15 minutes. Seek medical attention if irritation persists.
Ingestion: Do NOT induce vomiting. Seek immediate medical attention.

SECTION 5 – FIRE-FIGHTING MEASURES

Extinguishing Media: Foam, dry chemical, CO_2
Special Hazards: Vapors may form explosive mixtures with air.
Protective Equipment: Firefighters should use self-contained breathing apparatus (SCBA) and full protective gear.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Evacuate area and eliminate all ignition sources.
Use absorbent materials for liquid spills.
Ventilate the area.
Dispose of waste in accordance with local regulations.

SECTION 7 – HANDLING AND STORAGE

Store in a cool, dry, well-ventilated area.
Keep containers tightly closed when not in use.
Avoid heat, flames, and sparks.
Do not puncture or incinerate containers.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use local exhaust ventilation.

Personal Protective Equipment (PPE):
Eye Protection: Safety glasses or goggles.
Skin Protection: Chemical-resistant gloves.
Respiratory Protection: Use NIOSH-approved respirator when exposure limits are exceeded.

Exposure Limits

Substance	CAS Number	OSHA PEL (ppm)	ACGIH TLV (ppm)
Methyl Acetate	79-20-9	200	200
Heptane	142-82-5	500	400
Propane	74-98-6	1000	1000
Isobutane	75-28-5	Not established	1000

Engineering Controls: Use local exhaust ventilation.

Personal Protective Equipment (PPE):
Eye Protection: Safety glasses or goggles.
Skin Protection: Chemical-resistant gloves.
Respiratory Protection: Use NIOSH-approved respirator when exposure limits are exceeded.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Red liquid
Odor: Solvent-like
Flash Point: -19°C (-2°F)
Boiling Point: 56°C (133°F)
Vapor Pressure: High
Density: ~0.75 g/cm³

SECTION 10 – STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.
Stability: Stable under normal conditions.
Incompatibility: Strong oxidizing agents.
Hazardous Decomposition: CO, CO_2, hydrocarbons.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicological Data

Substance	CAS Number	LD50 (Oral, Rat)	LD50 (Dermal, Rabbit)	LC50 (Inhalation, Rat)
Methyl Acetate	79-20-9	6482 mg/kg	>5000 mg/kg	49.2 mg/L (4h)
Heptane	142-82-5	>5000 mg/kg	>2000 mg/kg	103 mg/L (4h)
Propane	74-98-6	Not applicable	Not applicable	>800,000 ppm (4h)
Isobutane	75-28-5	Not applicable	Not applicable	658 mg/L (4h)

Expected Exposure Routes and Effects

Exposure Route	Short-Term Effects	Long-Term Effects
Inhalation	Dizziness, drowsiness, nausea	Central nervous system effects, possible chronic respiratory issues
Skin Contact	Mild irritation	Prolonged exposure may cause dermatitis
Eye Contact	Eye irritation, redness	Possible long-term sensitivity
Ingestion	Nausea, vomiting, gastrointestinal distress	Potential aspiration hazard leading to lung damage

Carcinogenicity: No components are listed as carcinogens by IARC, NTP, or OSHA.
Reproductive Toxicity: No data available for reproductive or developmental effects.
Sensitization: Not classified as a skin or respiratory sensitizer.
Acute Toxicity: May cause dizziness, drowsiness, nausea.
Chronic Effects: Prolonged exposure may damage the nervous system.
Carcinogenicity: No components are listed as carcinogens.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity Data

Substance	CAS Number	LC50 (Fish, 96h)	EC50 (Daphnia, 48h)	EC50 (Algae, 72h)
Methyl Acetate	79-20-9	250 - 500 mg/L	1026 mg/L	120 mg/L
Heptane	142-82-5	4 mg/L	2 mg/L	1.5 mg/L
Propane	74-98-6	Not applicable	Not applicable	Not applicable
Isobutane	75-28-5	Not applicable	Not applicable	Not applicable

Persistence & Degradability
Methyl Acetate: Rapidly biodegradable.
Heptane: Moderately persistent in the environment.
Propane & Isobutane: Expected to volatilize rapidly.

Bioaccumulative Potential
Methyl Acetate: Low potential for bioaccumulation.
Heptane: High potential for bioaccumulation.
Propane & Isobutane: Not expected to bioaccumulate.

Mobility in Soil
Methyl Acetate: High mobility in soil.
Heptane: Low mobility; adsorbs to soil particles.
Propane & Isobutane: Highly volatile, unlikely to remain in soil.

Other Adverse Effects

Avoid release into the environment; prevent material from contaminating groundwater and waterways.

Toxicity: May be harmful to aquatic life.
Persistence & Degradability: Volatile organic compounds (VOC) may contribute to smog.
Bioaccumulative Potential: No data available.

SECTION 13 – DISPOSAL CONSIDERATIONS

Recommended Disposal Methods: Dispose of in accordance with local, state, and federal regulations. Do not discharge into drains, waterways, or soil. Incineration or fuel blending may be suitable options if permitted by local regulations.
EPA Waste Code(s): D001 (Ignitable Waste)
Contaminated Packaging: Empty containers may contain residual vapors and should not be punctured, cut, or welded. Dispose of packaging in accordance with local regulations.

Special Precautions for Disposal: Handle as hazardous waste. Ensure waste disposal is in compliance with environmental protection laws and hazardous waste regulations.
Dispose of in accordance with local, state, and federal regulations.
Do not incinerate in closed containers.

SECTION 14 – TRANSPORT INFORMATION

Regulatory Body	UN Number	Proper Shipping Name	Hazard Class	Packing Group	Additional Information
DOT (U.S.)	UN3501	Chemical Under Pressure, Flammable, N.O.S. (Methyl Acetate, Heptane)	2.1	Not applicable	Not an aerosol or limited quantity product
IATA (Air Transport)	UN3501	Chemical Under Pressure, Flammable, N.O.S. (Methyl Acetate, Heptane)	2.1	Not applicable	Ensure proper ventilation during transport
IMDG (Maritime Transport)	UN3501	Chemical Under Pressure, Flammable, N.O.S. (Methyl Acetate, Heptane)	2.1	Not applicable	EmS: F-D, S-U

Environmental Hazards: Not classified as environmentally hazardous under transport regulations.
Special Transport Precautions: Keep away from heat, sparks, and open flames. Ensure containers are properly secured to prevent movement during transport.
Container Sizes: 22-liter and 108-liter containers.
Environmental Hazards: Not applicable

SECTION 15 – REGULATORY INFORMATION

Regulation	Compliance Status
TSCA (Toxic Substances Control Act)	All components listed or exempt
CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act)	Reportable Quantity (RQ) for Methyl Acetate: 5,000 lbs
SARA Title III Section 302 (Extremely Hazardous Substances)	No listed components
SARA Title III Sections 311/312 (Hazard Categories)	Immediate (Acute) Health Hazard, Fire Hazard
SARA Title III Section 313 (Toxic Chemical Release Reporting)	Heptane is subject to reporting requirements
DEA (Drug Enforcement Administration List)	Not listed
Clean Air Act (CAA) - 112(r) Regulated Substances for Accidental Release Prevention	Not listed
California Proposition 65	This product does not contain chemicals known to the State of California to cause cancer or reproductive harm

Right-to-Know State Regulations

State	Chemicals Requiring Disclosure
Massachusetts	Methyl Acetate, Heptane, Propane, Isobutane
New Jersey	Methyl Acetate, Heptane, Propane, Isobutane
Pennsylvania	Methyl Acetate, Heptane, Propane, Isobutane

EPA: This product complies with applicable EPA regulations.
OSHA: Meets hazard communication standard 29 CFR 1910.1200.
DOT: Classified as a hazardous material for transport.

SECTION 16 – OTHER INFORMATION

Revision Date: 3.26.2025
Prepared by: Forza, Inc.
GHS Rev. 5 Compliance: This SDS has been prepared in accordance with GHS Revision 5 standards and complies with EPA, OSHA, and DOT regulations. Users should ensure they meet jurisdiction-specific requirements.
Disclaimer: The information provided in this SDS is believed to be accurate as of the revision date but is subject to change based on new regulations or updated research findings. Users are responsible for compliance with all applicable laws and regulations.