SAFETY DATA SHEET

Trade Name	TAC850GR Web Spray Polymer Concrete Molding Process Tackifier
SDS #	S-0059 V4
Date of Issue	03/24/2025
Replaces (Date/Revision #)	02/13/2025 – V3
Effective Date	03/24/2025

SECTION 1 – IDENTIFICATION

Product Name: TAC850GR (Mist Spray Polymer Concrete Molding Process Tackifier)

Other Means of Identification: TAC850GR-22, TAC850GR-108

Product Code Number: TAC850GR-22, TAC850GR-108

Recommended Use: Mist Spray Polymer Concrete Molding Process 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

Classification (GHS Rev. 5):
Flammable Liquid – Category 2
Gas Under Pressure – Compressed Gas
Specific Target Organ Toxicity (Single Exposure) – Category 3 (Narcotic Effects)
Aspiration Hazard – Category 1

Label Elements:
Pictograms: Flame, Gas Cylinder, Health Hazard, Exclamation Mark

Signal Word: Danger

Hazard Statements:
H225: Highly flammable liquid and vapor
H280: Contains gas under pressure; may explode if heated
H304: May be fatal if swallowed and enters airways
H336: May cause drowsiness or dizziness

Precautionary Statements:
P210: Keep away from heat/sparks/open flames – No smoking
P261: Avoid breathing vapors or gas
P271: Use only outdoors or in a well-ventilated area
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor
P405: Store locked up
P501: Dispose of contents/container in accordance with local/regional/national regulations

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Substances: Mixture

Component	CAS Number	% w/w	Classification (GHS Rev. 5)
Methyl Acetate	79-20-9	50-60%	Flam. Liq. 2 (H225), STOT SE 3 (H336)
Heptane	142-82-5	5-10%	Flam. Liq. 2 (H225), Asp. Tox. 1 (H304), STOT SE 3 (H336), Aquatic Chronic 2 (H411)
Proprietary Gas Blend	Mixture	5-10%	Gas Under Pressure – Compressed Gas (H280)
Non-Hazardous Ingredients	Mixture	30-40%	Not classified as hazardous under GHS

Note: Ingredients present at <1% and not classified as hazardous are grouped under "Non-Hazardous Ingredients" per GHS guidance. Total composition = 100%.

SECTION 4 – FIRST-AID MEASURES

Inhalation: Remove person to fresh air and keep comfortable for breathing. Seek medical attention if symptoms persist.
Skin Contact: Wash exposed area with soap and water. Remove contaminated clothing and launder before reuse.
Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.
Ingestion: Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or physician.
Most Important Symptoms and Effects: May cause drowsiness, dizziness, respiratory irritation, aspiration hazard.
Indication of Immediate Medical Attention: Immediate medical attention is required for ingestion or significant inhalation.

SECTION 5 – FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Dry chemical, carbon dioxide, alcohol-resistant foam. Do not use direct water stream.
Specific Hazards Arising from the Chemical: Extremely flammable liquid and vapor. Vapors may form explosive mixtures with air. Pressurized container may rupture when exposed to fire.
Protective Equipment and Precautions: Firefighters should wear self-contained breathing apparatus and full protective gear.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Eliminate all sources of ignition. Provide adequate ventilation. Use personal protective equipment.
Environmental Precautions: Avoid discharge to the environment. Prevent further leakage or spillage if safe to do so.
Methods for Containment and Cleanup: Absorb with inert material and place in appropriate waste disposal container. Dispose in accordance with local regulations.

SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling: Handle in accordance with good industrial hygiene and safety practices. Avoid inhalation of vapors.
Conditions for Safe Storage: Store in a cool, dry, well-ventilated place away from heat, sparks, open flames, and sunlight. Keep container tightly closed.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

Substance	Limit Type	Value	Source
Methyl Acetate	ACGIH TLV (TWA)	200 ppm	ACGIH
Heptane	OSHA PEL (TWA)	500 ppm	OSHA
Carbon Dioxide	OSHA PEL (TWA)	5000 ppm	OSHA
Nitrogen	Simple Asphyxiant	-	OSHA

Engineering Controls: Provide adequate general and local exhaust ventilation.
Personal Protective Equipment:
Eye Protection: Safety goggles or face shield
Skin Protection: Protective gloves resistant to solvents
Respiratory Protection: Use NIOSH-approved respirator when vapor concentrations exceed permissible exposure limits

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: light-colored to grey liquid in pressurized canister
Odor: Solvent-like
Odor Threshold: Not determined
pH: Not applicable
Melting/Freezing Point: Not determined
Initial Boiling Point and Range: >50°C
Flash Point: < -5°C (Closed Cup)
Evaporation Rate: Rapid
Flammability: Highly flammable
Vapor Pressure: High
VOC Content: 64.13 g/L (Heptane only; methyl acetate is VOC-exempt)

SECTION 10 – STABILITY AND REACTIVITY

Reactivity: No hazardous reactions expected under normal conditions
Chemical Stability: Stable under normal use and storage conditions
Possibility of Hazardous Reactions: None known
Conditions to Avoid: Heat, sparks, open flame, static discharge
Incompatible Materials: Strong acids, bases, and oxidizers
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, hydrocarbons

SECTION 11 – TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Inhalation, dermal, ingestion
Symptoms Related to Physical, Chemical and Toxicological Characteristics: May cause dizziness, drowsiness, irritation, aspiration hazard
Delayed and Immediate Effects: Repeated or prolonged exposure may affect the central nervous system
Numerical Measures of Toxicity:

Substance	Test Species	Route	LD50 / Result
Methyl Acetate	Rat	Oral	> 5000 mg/kg
Methyl Acetate	Rabbit	Dermal	> 5000 mg/kg
Heptane	Rat	Oral	> 5000 mg/kg
Heptane	Rabbit	Dermal	> 3000 mg/kg

Carcinogenicity: Not classified as carcinogenic by IARC, NTP, or OSHA

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:

Substance	Organism	Test Duration	Result
Heptane	Fish (Oncorhynchus mykiss)	96h	LC50: 1–10 mg/L
Heptane	Aquatic Invertebrates (Daphnia)	48h	EC50: 1.5 mg/L
Heptane	Algae (Pseudokirchneriella sp.)	72h	EC50: 4.5 mg/L
Methyl Acetate	Fish (Oncorhynchus mykiss)	96h	LC50: 250–350 mg/L
Methyl Acetate	Aquatic Invertebrates (Daphnia)	48h	EC50: ~1020 mg/L
Methyl Acetate	Algae (Pseudokirchneriella sp.)	72h	EC50: ~1200 mg/L

Persistence and Degradability: Readily biodegradable
Bioaccumulative Potential: Heptane has moderate bioaccumulation potential; Methyl Acetate has low potential
Mobility in Soil: Expected to have high mobility in soil and water
Other Adverse Effects: Avoid release to the environment

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Treatment Methods: Dispose of contents/container in accordance with federal, state, and local regulations. Do not puncture or incinerate.

SECTION 14 – TRANSPORT INFORMATION

UN Number: UN3501
UN Proper Shipping Name: Chemical Under Pressure, Flammable, (Methyl Acetate, Heptane)
Transport Hazard Class: 2.1
Packing Group: Not applicable
Label: Flammable Gas
Special Precautions: Do not expose containers to temperatures exceeding 50°C

SECTION 15 – REGULATORY INFORMATION

OSHA Hazard Communication Standard: This product is hazardous under the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200).

TSCA Inventory Status: All components of this product are listed or are exempt from listing on the Toxic Substances Control Act (TSCA) Inventory.

SARA Title III (Sections 302, 304, 311, 312, and 313):
This product does not contain any substances subject to the reporting requirements of SARA Section 313. It is reportable under Sections 311 and 312 as a hazardous chemical due to fire hazard, pressure hazard, and immediate health effects.

EPA VOC Regulation: Heptane is classified as a VOC; Methyl Acetate is considered VOC-exempt by the U.S. EPA.

State Right-to-Know Disclosures:
The following ingredients are present in the product and are subject to the Right-to-Know regulations in the specified states:

Chemical Name	CAS Number	NJ RTK	PA RTK	MA RTK	CA RTK
Methyl Acetate	79-20-9	Listed	Listed	Listed	Not Listed
Heptane	142-82-5	Listed	Listed	Listed	Not Listed
Carbon Dioxide	124-38-9	Listed	Listed	Listed	Not Listed
Nitrogen	7727-37-9	Listed	Listed	Listed	Not Listed

California Proposition 65:
This product contains no substances known to the State of California to cause cancer, birth defects, or other reproductive harm.

International Regulations:

WHMIS Classification (Canada): B2 – Flammable Liquid; A – Compressed Gas

DSL/NDSL (Canada): All components are listed on the Domestic Substances List (DSL) or are exempt.

Other Regulatory Information:

This product has been classified in accordance with the hazard criteria of the Globally Harmonized System (GHS) and the SDS contains all information required by OSHA HCS 2012 and GHS Rev. 5.

No components of this mixture are listed as Extremely Hazardous Substances (EHS) under EPCRA Section 302.

SECTION 16 – OTHER INFORMATION

Prepared by: Forza, Inc.
Preparation Date: 3.24.2025
Version: #4
Disclaimer: The information provided in this Safety Data Sheet is believed to be accurate and reliable as of the date of publication. It is the responsibility of the user to determine the suitability of the product for their specific use and to comply with all applicable laws and regulations.