

SAFETY DATA SHEET

Trade Name	TC454
SDS #	S-0030 V4
Date of Issue	04/09/2025
Replaces (Date/Revision #)	05/15/2024 – V3
Effective Date	04/09/2025

SECTION 1 – Identification

Product Name: TC454

Other Means of Identification: TC454-22L, TC454-108L, TC454G-22L, TC454G-108L

Product Code Number: TC454, TC454G

Recommended Use: Adhesive/Sealant

Recommended Restrictions: Uses other than 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 Aerosol – Category 1

Acute Toxicity (Inhalation) – Category 4

Skin Irritation – Category 2

Eye Irritation – Category 2A

Specific Target Organ Toxicity – Single Exposure (Narcotic Effects) – Category 3

Label Elements:

Signal Word: DANGER

Pictograms:



Hazard Statements:

H222: Extremely flammable aerosol

H229: Pressurized container: may burst if heated

H315: Causes skin irritation

H319: Causes serious eye irritation

H336: May cause drowsiness or dizziness

H332: Harmful if inhaled

Precautionary Statements:

P210: Keep away from heat/sparks/open flames/hot surfaces

P251: Do not pierce or burn, even after use

P261: Avoid breathing vapors/spray

P271: Use only outdoors or in well-ventilated area

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable

P302+P352: IF ON SKIN: Wash with plenty of water

P305+P351+P338: IF IN EYES: Rinse cautiously with water. Remove contact lenses if present

P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C

SECTION 3 – Composition/Information on Ingredients

Substance	CAS Number	% w/w	GHS Classification
Isopentane	78-78-4	20-30%	Flam. Liq. 1; STOT SE 3; Asp. Tox. 1
Hexane	110-54-3	5-10%	Flam. Liq. 2; Repr. 2; STOT RE 2; Skin Irrit. 2; STOT SE 3; Asp. Tox. 1
Acetone	67-64-1	1-5%	Flam. Liq. 2; Eye Irrit. 2A; STOT SE 3
Dimethyl Ether (DME)	115-10-6	50-60%	Flam. Gas 1; Press. Gas (Liq.)
Green Dye*	Proprietary	< 1%	Not classified
Other Non-Hazardous Components**	Proprietary	10-15%	Not classified and/or (EPA <1% rule)

*Applies to TC454G products only

**Includes resin blend, stabilizers, antioxidants, and plasticizers for adhesion, UV stability, and performance.

SECTION 4 – First-Aid Measures

Inhalation: Move person to fresh air. Provide oxygen if breathing is difficult

Skin Contact: Wash with soap and water. Remove contaminated clothing

Eye Contact: Rinse thoroughly with water. Seek medical attention if irritation persists

Ingestion: Not expected route; do not induce vomiting. Seek medical attention

Symptoms: Drowsiness, dizziness, respiratory irritation, skin/eye irritation

SECTION 5 – Fire-Fighting Measures

Extinguishing Media: Foam, CO₂, dry chemical

Unsuitable Media: Water spray may spread fire

Hazards from Combustion: CO, CO₂, hydrocarbons

Protective Equipment: Firefighters should use SCBA and full gear

SECTION 6 – Accidental Release Measures

Personal Precautions: Remove ignition sources. Ventilate area. Use PPE

Environmental Precautions: Do not allow into drains or surface waters

Cleanup Procedures: Absorb with inert material. Ventilate and isolate area

SECTION 7 – Handling and Storage

Handling: Use in well-ventilated area. Avoid inhalation. Keep away from heat and flame

Storage: Store in a cool, well-ventilated place. Do not expose to temperatures above 50°C

Incompatible Materials: Oxidizers, acids

SECTION 8 – Exposure Controls / Personal Protection

Component	Limit (TWA)	Source
Hexane	50 ppm	OSHA/ACGIH
Acetone	250 ppm	OSHA/ACGIH
Isopentane	600 ppm	ACGIH
DME	1000 ppm (inhalation)	ACGIH

Engineering Controls: Local exhaust ventilation required

PPE:

Eye Protection: Chemical goggles

Skin Protection: Impermeable gloves

Respiratory Protection: Organic vapor respirator when ventilation is insufficient

SECTION 9 – Physical and Chemical Properties

Appearance: Clear and Green-tinted liquid aerosol

Odor: Hydrocarbon-like

Flash Point: < -41°C (DME)

Boiling Point: -25 to 68°C

Solubility: Partial in water

Vapor Pressure: High (due to propellant)

SECTION 10 – Stability and Reactivity

Stability: Stable under recommended storage

Conditions to Avoid: Heat, sparks, flame

Hazardous Decomposition: CO, CO₂, volatile hydrocarbons

SECTION 11 – Toxicological Information

Exposure Routes: Inhalation, skin contact, eye contact

Acute Effects: Narcotic effects, irritation

Chronic Effects: Hexane may cause peripheral neuropathy

Carcinogenicity: Acetone and DME are not classifiable; hexane and isopentane not listed

Toxicological Data:

Substance	Species	Test	Result
Hexane	Rat	Oral LD50	25,000 mg/kg
Isopentane	Rat	Inhalation LC50	170,000 ppm (4 hr)
Acetone	Rabbit	Dermal LD50	> 20,000 mg/kg
DME	Rat	Inhalation LC50	164,000 ppm (4 hr)

SECTION 12 – Ecological Information

Ecotoxicity: Harmful to aquatic life in large quantities

Persistence/Degradability: Components are moderately biodegradable

Bioaccumulation: Low to moderate potential

Aquatic Toxicity:

Organism	Test	Result
Daphnia magna	EC50 (48 hr)	~10-20 mg/L
Fish (fathead minnow)	LC50 (96 hr)	~25 mg/L
Algae	EC50 (72 hr)	> 20 mg/L

SECTION 13 – Disposal Considerations

Waste Disposal: Dispose of as hazardous waste. Do not puncture canister

Container Disposal: Handle as pressurized hazardous container

SECTION 14 – Transport Information

UN Number: UN3501

Proper Shipping Name: Chemical under pressure, flammable, n.o.s. (dimethyl ether, Isopentane)

Hazard Class: 2.1

Packing Group: Not applicable

Labels: Flammable Gas

SECTION 15 – Regulatory Information

TSCA: All components listed **SARA 313:** Hexane (reportable) **California Prop 65:** No components listed **OSHA HCS:** Classified as hazardous

State Right-to-Know Regulations:

Chemical Name	NJ RTK	PA RTK	MA RTK	CA RTK
Hexane	Listed	Listed	Listed	Not Listed
Acetone	Listed	Listed	Listed	Not Listed
Isopentane	Listed	Listed	Listed	Not Listed
Dimethyl Ether	Listed	Listed	Listed	Not Listed

SARA 313: Hexane (reportable)

California Prop 65: No components listed

OSHA HCS: Classified as hazardous

SECTION 16 – Other Information

Revision Date: 4.9.2025

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.