

# SAFETY DATA SHEET

Trade Name	TC454 Aerosol
SDS #	S-0151 V6
Date of Issue	06/04/2025
Replaces (Date/Revision #)	05/17/2024 – V5
Effective Date	06/04/2025

## **SECTION 1 – Identification**

**Product Name:** TC454 Aerosol

**Other Means of Identification:** N/A

**Product Code Number:** TC454-AA, TC454G-AA

**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, CO<sub>2</sub>, dry chemical

**Unsuitable Media:** Water spray may spread fire

**Hazards from Combustion:** CO, CO<sub>2</sub>, 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, CO<sub>2</sub>, 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:** UN1950

**Proper Shipping Name:** Aerosols, Flammable (Limited Quantity)

**Hazard Class:** 2.1

**Packing Group:** Not applicable

**Labeling:** Flammable Gas

**Limited Quantity:** < 1 Liter

**Marine Pollutant:** Yes (Hexane)

**Special Precautions:** Keep away from heat and ignition sources

## **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:**

<b>Chemical Name</b>	<b>NJ RTK</b>	<b>PA RTK</b>	<b>MA RTK</b>	<b>CA RTK</b>
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:** 6.4.2025

**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.