

# SAFETY DATA SHEET

Trade Name	TC453
SDS #	S-0047 V5
Date of Issue	04/22/2025
Replaces (Date/Revision #)	12/18/2023 – V4
Effective Date	04/22/2025

## **Section 1 – Identification**

**Product Name:** TC453

**Other Means of Identification:** TC453R-AA

**Product Code Number:** TC453-AA, TC453R-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**

**Classification:**

Flammable Aerosol – Category 1

Gas Under Pressure – Liquefied Gas

Skin Irritation – Category 2

Eye Irritation – Category 2A  
STOT SE – Category 3 (drowsiness, dizziness)  
Aspiration Hazard – Category 1  
Reproductive Toxicity – Category 2  
Aquatic Chronic – Category 2

**Signal Word:** Danger  
**Hazard Pictograms:**



**Hazard Statements:**

Extremely flammable aerosol  
Contains gas under pressure; may explode if heated  
Causes skin and eye irritation  
May cause drowsiness or dizziness  
May be fatal if swallowed and enters airways  
Suspected of damaging fertility or the unborn child  
Toxic to aquatic life with long-lasting effects

**Precautionary Statements:**

Keep away from heat/sparks/open flames. No smoking  
Do not spray on an open flame or other ignition source  
Avoid breathing mist or vapors. Use only outdoors or in well-ventilated area  
Wear protective gloves and eye protection  
Avoid release to the environment  
Dispose of contents/container according to local regulations

## **Section 3 – Composition/Information On Ingredients**

**Note:** Components listed above 1% or 0.1% for known hazards in accordance with GHS.

<b>Chemical Name</b>	<b>CAS Number</b>	<b>% w/w</b>	<b>GHS Classification</b>
Methyl Acetate	79-20-9	50-60%	Flammable Liquid (Cat. 2), Eye Irritation (Cat. 2A)
Hexane	64742-49-0	5-10%	Flammable Liquid (Cat. 2), STOT SE (Cat. 3), Aspiration Hazard (Cat. 1), Reproductive Toxicity (Cat. 2), Aquatic Chronic (Cat. 2)
Propane	74-98-6	10-15%	Flammable Gas (Cat. 1), Simple Asphyxiant
Isobutane	75-28-5	1-5%	Flammable Gas (Cat. 1), Simple Asphyxiant
n-Butane	106-97-8	1-5%	Flammable Gas (Cat. 1), Simple Asphyxiant
Red Dye*	Proprietary	< 1%	Not Classified
Other Non-Hazardous Ingredients	Proprietary	Balance	Not Classified

*\*Applies to TC453R products only*

## **Section 4 – First-Aid Measures**

**Inhalation:** Remove the person to fresh air. Seek medical attention if symptoms persist.

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

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses if present. Continue rinsing.

**Ingestion:** Do not induce vomiting. Seek immediate medical attention.

**Most Important Symptoms:** Dizziness, drowsiness, irritation of eyes and skin, CNS depression, chemical pneumonitis from aspiration.

## **Section 5 – Fire-Fighting Measures**

**Suitable Extinguishing Media:** Dry chemical, foam, carbon dioxide

**Unsuitable Media:** Do not use water stream as it may spread fire

**Hazardous Combustion Products:** Carbon monoxide, carbon dioxide, hydrocarbons

**Protective Equipment:** Wear full protective gear and SCBA in fire conditions

## **Section 6 – Accidental Release Measures**

**Personal Precautions:** Eliminate all ignition sources. Ventilate area. Use PPE

**Environmental Precautions:** Prevent product from entering drains or waterways

**Methods for Cleanup:** Absorb with inert material. Collect in sealed container for proper disposal



## **Section 7 – Handling And Storage**

**Handling:** Do not breathe vapors or spray mist. Use only in well-ventilated areas. Keep away from sparks and open flame

**Storage:** Store in a cool, well-ventilated area. Do not expose to temperatures above 50°C (122°F). Keep container tightly closed

## **Section 8 – Exposure Controls / Personal Protection**

Component	ACGIH TLV	OSHA PEL
Methyl Acetate	200 ppm TWA	200 ppm TWA
Hexane	50 ppm TWA	500 ppm TWA
Propane	1000 ppm	1000 ppm
Isobutane	1000 ppm	Not established
n-Butane	1000 ppm	800 ppm

**Engineering Controls:** Use adequate ventilation or local exhaust to maintain exposure below limits

**PPE:** Gloves (nitrile), goggles, organic vapor respirator for spray application in enclosed spaces

## **Section 9 – Physical And Chemical Properties**

Appearance: Clear and/or red liquid

Odor: Solvent-like

Boiling Point: ~56–69°C

Flash Point: <0°C (propellant blend)

Flammability: Extremely flammable

Vapor Pressure: High

VOC Content: 25.43% w/w

Solubility: Slightly soluble in water

## **Section 10 – Stability And Reactivity**

**Stability:** Stable under normal storage and use conditions

**Reactivity:** No dangerous reactions known under normal conditions

**Conditions to Avoid:** Heat, sparks, flames, static discharge

**Incompatible Materials:** Strong oxidizing agents

**Hazardous Decomposition Products:** CO, CO<sub>2</sub>, hydrocarbons

## **Section 11 – Toxicological Information**

**Exposure Routes:** Inhalation, skin and eye contact, ingestion

**Acute Toxicity:**

**Methyl Acetate LD50 (oral, rat):** 6,482 mg/kg

**Hexane LD50 (oral, rat):** 25,000 mg/kg; LC50 (inhalation, rat): ~48,000 ppm/4h

**Skin/Eye:** Causes irritation

**STOT-SE:** May cause CNS depression

**Aspiration Hazard:** Yes (Hexane)

**Carcinogenicity:** Not listed by IARC, NTP, OSHA

**Reproductive Toxicity:** Hexane is suspected of damaging fertility

## **Section 12 – Ecological Information**

**Hexane:** LC50 (fish, 96h): ~2.5 mg/L; EC50 (Daphnia, 48h): ~1.8 mg/L

**Methyl Acetate:** LC50 (fish, 96h): 250–350 mg/L

**Persistence/Degradability:** Hexane may persist and bioaccumulate

**Environmental Impact:** Toxic to aquatic life. Prevent release to environment

## **Section 13 – Disposal Considerations**

Do not puncture or incinerate container. Dispose in accordance with federal, state, and local environmental regulations

## **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 or exempt

**Right to Know:** NJ, PA, MA – Methyl Acetate, Hexane, Propane, n-Butane

**California Prop 65:** Contains n-hexane (reproductive toxin)

**SARA 311/312:** Fire hazard, Immediate health hazard, Chronic health hazard

**SARA 313:** Hexane (reportable)

## **Section 16 – Other Information**

Revision Date: 4.22.2025

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.