

# SAFETY DATA SHEET

Trade Name	TC453
SDS #	S-0039 V2
Date of Issue	04/22/2025
Replaces (Date/Revision #)	05/15/2024 – V1
Effective Date	04/22/2025

## **Section 1 – Identification**

**Product Name:** TC453

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

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

**Recommended Use:** Adhesive/Sealant

**Recommended Restrictions:** Uses other than described as 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 Liquid – Category 2

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:**

Flammable liquid and vapor  
 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  
 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.

Chemical Name	CAS Number	% w/w	GHS Classification
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)
Red Dye*	Proprietary	< 1%	Not Classified
Other Non-Hazardous Ingredients	Proprietary	Balance	Not Classified

*\*Applies only to TC453R products*

## **Section 4 – First-Aid Measures**

**Inhalation:** Remove 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:** Avoid contact with skin and eyes. Do not breathe vapors. Use only in well-ventilated areas

**Storage:** Store in a cool, dry, well-ventilated area away from ignition sources. 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

**Engineering Controls:** Provide adequate ventilation or local exhaust to maintain exposure levels

**PPE:** Nitrile gloves, safety goggles, organic vapor respirator if ventilation is inadequate



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

**Appearance:** Clear and/or red liquid

**Odor:** Solvent-like

**Boiling Point:** ~56–69°C

**Flash Point:** <10°C

**Flammability:** Flammable

**Vapor Pressure:** Moderate

**VOC Content:** ~77.66 g/L (based on density of 0.93 g/mL)

**Density:** Approx. 0.93 g/mL

**Solubility:** Slightly soluble in water

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

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

**Reactivity:** No known hazardous reactions

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

**Incompatible Materials:** Strong oxidizing agents

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

## **Section 11 – Toxicological Information**

**Exposure Routes:** Inhalation, dermal, 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 effects

**Reproductive Toxicity:** Hexane is a suspected reproductive toxin

## **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 bioaccumulate

**Environmental Impact:** Avoid environmental release

## **Section 13 – Disposal Considerations**

Dispose of contents and container in accordance with local, regional, national, and international regulations. Do not discharge into drains

## **Section 14 – Transport Information**

**UN Number:** UN1133

**Proper Shipping Name:** Adhesives, Flammable (Methyl Acetate, Hexane)

**Hazard Class:** 3

**Packing Group:** II

**Labeling:** Flammable Liquid

**Marine Pollutant:** Yes (Hexane)

**Special Precautions:** Avoid heat, sparks, and open flame

## **Section 15 – Regulatory Information**

**TSCA:** All components listed or exempt

**Right to Know:** NJ, PA, MA – Methyl Acetate, Hexane

**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.