

SAFETY DATA SHEET

Trade Name	IC947
SDS #	S-0050 V5
Date of Issue	03/12/2025
Replaces (Date/Revision #)	05/15/2024 – V4
Effective Date	03/12/2025

SECTION 1: Identification

Product Name: IC947

Other Means of Identification: IC947-22L, IC947-108L, IC947G-22L, IC947G-108L

Product Code Number: IC947, IC947G

Recommended Use: Industrial 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 Liquid Category 1, Skin Irritant Category 2, Eye Irritant Category 2A, Specific Target Organ Toxicity (Single Exposure) Category 3 (Respiratory Irritation), Gas Under Pressure

Signal Word: Danger

Hazard Statements:

H224: Extremely flammable liquid and vapor

H315: Causes skin irritation

H319: Causes serious eye irritation

H335: May cause respiratory irritation

H280: Contains gas under pressure; may explode if heated

Precautionary Statements:

P210: Keep away from heat, sparks, open flames, and hot surfaces. No smoking.

P261: Avoid breathing vapors.

P280: Wear protective gloves, protective clothing, and eye protection.

P370+P378: In case of fire, use foam, dry chemical, or CO2 for extinction.

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



Other Hazards: Pressurized container. Do not puncture or incinerate.

SECTION 3: Composition/Information on Ingredients

This product is a formulated mixture consisting of both hazardous and non-hazardous components. Per the EPA regulation, hazardous chemicals are included at concentrations greater than 1% and carcinogens above 0.1%. The following table categorizes the hazardous and non-hazardous ingredients:

Chemical Name	CAS Number	Concentration (% w/w)	Hazard Classification
Acetone	67-64-1	5-10%	Flammable Liquid Category 2, Eye Irritant Category 2A
IsoPentane	78-78-4	30-40%	Flammable Liquid Category 1, STOT SE Category 3 (Respiratory Irritation)
Dimethyl Ether	115-10-6	40-50%	Flammable Gas Category 1, Gas Under Pressure
Colorant*	-	< 1%	Not Classified as Hazardous
Non-hazardous Components (Binders, Stabilizers)	Various	10-15%	Not Classified as Hazardous

The non-hazardous materials do not present health or safety risks under normal conditions of use.

SECTION 4: First-Aid Measures

Inhalation: Move to fresh air. If symptoms persist, seek medical attention.

Skin Contact: Wash 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 medical attention immediately.

Most Important Symptoms/Effects: Dizziness, irritation of skin and eyes, respiratory discomfort.

Immediate Medical Attention & Special Treatment: Treat symptomatically. Administer oxygen if needed.

SECTION 5: Fire-Fighting Measures

Suitable Extinguishing Media: Foam, dry chemical, CO₂

Unsuitable Extinguishing Media: Water jet

Specific Fire Hazards: Vapors may form explosive mixtures with air.

Special Protective Equipment & Precautions for Firefighters: Wear self-contained breathing apparatus (SCBA) and full protective gear.

SECTION 6: Accidental Release Measures

Personal Precautions: Remove ignition sources. Ensure adequate ventilation.

Emergency Procedures: Evacuate area if necessary.

Containment & Cleanup Methods: Absorb with inert material (sand, vermiculite) and dispose of in accordance with local regulations.

SECTION 7: Handling and Storage

Precautions for Safe Handling: Avoid breathing vapors. Keep container tightly closed.

Conditions for Safe Storage: Store in a cool, well-ventilated area away from ignition sources.

Incompatible Materials: Strong oxidizers, acids.

SECTION 8: Exposure Controls/Personal Protection

Substance	OSHA PEL (ppm)	ACGIH TLV (ppm)	NIOSH IDLH (ppm)
Acetone	1000	500	2500
IsoPentane	600	1000	1500
Dimethyl Ether	Not established	Not established	Not established

SECTION 9: Physical and Chemical Properties

Appearance: Colorless, or green liquid

Odor: Solvent-like, ether-like

Flash Point: -49°C (Dimethyl Ether)

Boiling Point: 42-101°C

Vapor Pressure: 530 mmHg (Dimethyl Ether)

Solubility: Slightly soluble in water

SECTION 10: Stability and Reactivity

Reactivity: Not reactive under normal conditions.

Incompatible Materials: Strong oxidizers, acids.

SECTION 11: Toxicological Information

Potential Health Effects:

Short-Term Exposure: Short-term exposure may cause dizziness, headaches, skin irritation, eye irritation, and respiratory discomfort.

Long-Term Exposure: Prolonged exposure can result in central nervous system depression and liver or kidney damage. Chronic exposure to IsoPentane and Dimethyl Ether may affect the nervous system and respiratory function.

Specific Toxicity:

Skin Corrosion/Irritation: Causes skin irritation

Eye Damage/Irritation: Causes serious eye irritation

Germ Cell Mutagenicity: No known significant effects

Reproductive Toxicity: No known significant effects

Specific Target Organ Toxicity - Single Exposure: May cause respiratory irritation

Specific Target Organ Toxicity - Repeated Exposure: May cause liver, kidney, and central nervous system damage

Toxicity Data:

Test Type	Chemical	Species	Test Result
LD50 (Oral)	Acetone	Rat	5800 mg/kg
LD50 (Dermal)	Acetone	Rabbit	20000 mg/kg
LC50 (Inhalation)	Acetone	Rat	76 mg/L (4h)
LD50 (Oral)	IsoPentane	Rat	2000 mg/kg
LC50 (Inhalation)	IsoPentane	Rat	364 mg/L (4h)
LC50 (Inhalation)	Dimethyl Ether	Rat	164 mg/L (4h)

Carcinogenicity Classification:

Chemical	IARC	NTP	ACGIH	OSHA
Acetone	Not listed	Not listed	A4	Not listed
IsoPentane	Not listed	Not listed	Not listed	Not listed
Dimethyl Ether	Not listed	Not listed	Not listed	Not listed

SECTION 12: Ecological Information

Ecotoxicity Data:

Chemical	Test Type	Species	Test Result
Acetone	LC50	Fish	5540 mg/L
Acetone	EC50	Algae	7200 mg/L
Acetone	EC50	Aquatic Invertebrates	8800 mg/L
IsoPentane	LC50	Fish	4.26 mg/L
Dimethyl Ether	LC50	Fish	146 mg/L

Persistence and Degradability: Acetone and Dimethyl Ether are readily biodegradable. IsoPentane may persist in the environment.

Bioaccumulative Potential: Low for Acetone and Dimethyl Ether; moderate for IsoPentane.

Mobility in Soil: High mobility expected due to volatility.

Other Adverse Effects: May be harmful to aquatic life with long-lasting effects.

SECTION 13: Disposal Considerations

Waste Disposal Methods: Dispose of in accordance with local, state, and federal regulations. Do not discharge into waterways or sewers.

Contaminated Packaging: Empty containers may retain product residue. Do not reuse containers. Returnable containers should be returned to the supplier.

EPA Waste Code: D001 (Ignitable Waste).

SECTION 14: Transport Information

UN Number: UN3501

Proper Shipping Name: Chemical Under Pressure, Flammable, N.O.S. (IsoPentane, Dimethyl Ether)

Transport Hazard Class(es): 2.1

Packing Group: II

Environmental Hazards: Not a marine pollutant

Special Precautions for Transport: Ensure proper labeling and keep away from heat, open flames, and direct sunlight. Ensure secure handling to prevent leaks.

SECTION 15: Regulatory Information

Compliance Standards:

This Safety Data Sheet complies with the following regulations and standards:

Globally Harmonized System of Classification and Labeling of Chemicals (GHS Rev. 5)

Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (HCS 29 CFR 1910.1200)

Environmental Protection Agency (EPA) Regulations – 40 CFR Parts 260-273

Department of Transportation (DOT) Regulations – 49 CFR for hazardous materials transportation

Toxic Substances Control Act (TSCA) – Inventory Requirements

Clean Air Act (CAA) Section 112(b) – Hazardous Air Pollutants (HAPs)

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) – 40 CFR Part 302

Superfund Amendments and Reauthorization Act (SARA) Title III Sections 302, 311, 312, 313

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986) – Currently Not Applicable

U.S. Federal Regulations:

TSCA: All components listed

CERCLA RQ: Acetone (5000 lbs)

SARA 313: Contains Acetone, IsoPentane, Dimethyl Ether

Clean Air Act Section 112(b): Regulated substances listed

Right-to-Know State Chemical Listings:

State	Chemicals Required to be Listed
California	Acetone, IsoPentane, Dimethyl Ether
New Jersey	Acetone, IsoPentane, Dimethyl Ether
Pennsylvania	Acetone, IsoPentane, Dimethyl Ether
Massachusetts	Acetone, IsoPentane, Dimethyl Ether
Minnesota	Acetone, IsoPentane, Dimethyl Ether

California Proposition 65 Statement:

This product does **NOT** contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

SECTION 16: Other Information

SDS Preparation Date: 3.12.2025

SDS Revision Date: 3.12.2025

Prepared by: Forza, Inc.

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