



P50020

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Material Safety Data Sheet

Section 1: PRODUCT AND COMPANY IDENTIFICATION

MSDS Identification Name: Hexply® F149 Tacking Resin Solution

MSDS Number: 439-7377-F149-TRS0-05 **Date:** April 1, 2009 **Page:** 1 of 7

Supersedes MSDS: 439-7377-F149-TRS0-04

Manufacturer:

Hexcel®

11711 Dublin Boulevard

Dublin, CA 94568-2832

Emergency Telephone Numbers:

Transportation (24-Hour) CHEMTREC®

800-424-9300 (North America)

703-527-3887 (World Wide)

Product (24-Hour) Hexcel®

800-433-5072

Information Telephone Number:

925-551-4900 (Normal Business Hours-PT)

Product Identification Number: Hexply® F149 Tacking Resin Solution

Chemical Family: Composite Laminate Fabrication Aid

Section 2: COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS® Number	% by Weight	OSHA (PEL)	ACGIH® (TLV®)
Resin Matrix Information:				
Acetone	67-64-1	28-39	750 PPM (TWA) 1000 PPM (STEL)	500 PPM (TWA) 750 PPM (STEL)
Polyester Resin	Supplier Proprietary	61-79	15 mg/m³ (Total) 5 mg/m³ (Respirable)	10 mg/m³ (Total) 3 mg/m³ (Respirable)
Organic Peroxide	614-45-9	0.9-1.1	Not determined	Not determined
Hydroquinone	123-31-9	<1	2 mg/m³ (Total)	1 mg/m³ (TWA)

This product is classified as a Hazardous Chemical as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

The exposure limits expressed are for each individual component and not for the total product.

The percentages will vary depending on the product type, which components are used, the component's variation and the percent solids content.

Section 4: FIRST AID MEASURES

Eye: In case of eye contact, immediately flush eyes with large amounts of water for at least 15 minutes, keeping the eyelids open. Get medical attention.

Skin: In case of contact, immediately wash skin with soap and plenty of water. Get medical attention if irritation develops.

Inhalation: If inhalation occurs, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, qualified personnel may administer oxygen. Get medical attention.

Ingestion: Ingestion of this material is unlikely. If swallowed, get medical attention immediately.

Section 5: FIRE FIGHTING MEASURES

Flash Point/Method of Determination: 0°F/-18°C, Acetone, Closed Cup

Lower Explosive Level (% Volume) LEL: 2.6% (Acetone)

Upper Explosive Level (% Volume) UEL: 12.8% (Acetone)

Means of Extinction: Use foam, water, CO2 or dry chemical to extinguish fires

Special Fire Hazards: Avoid exposure through use of a self-contained positive-pressure breathing apparatus. Vapors are heavier than air and may travel a considerable distance to a source of ignition and flash back. Vapor-air mixtures are explosive.

Section 6: ACCIDENTAL RELEASE MEASURES

Procedures in case of Accidental Release or Leakage: Handle as a spill of a flammable liquid. Eliminate sources of ignition. Avoid contact with skin, eyes or clothing (See Section 8). Absorb with appropriate inert material, clean up and put into suitable container and dispose of properly (See Section 13).

Section 7: HANDLING AND STORAGE

Precautions to be taken in Handling and Storage: See label on the container for the proper storage temperature. Maintain sealed against contamination from dirt and moisture. Handle as a flammable liquid in a well ventilated area. All electrical equipment in the area of use should comply with the NFPA National Electric Code Article 500-Hazardous Locations. Control all other ignition sources in the area.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye/Face Protection: Wear chemical goggles and face shield, as necessary, to avoid eye contact. When machining the cured product, wear safety glasses with side shields.

Skin Protection: Use gloves made of natural latex or neoprene materials. Wear clothing sufficient to cover skin areas.

Section 11: TOXICOLOGICAL INFORMATION

Component Toxicity Data (As Appropriate for Product Types):

Median Lethal Dose (Species):

Oral (LD₅₀)...Acetone...5,800 mg/kg (Rat)

...Organic Peroxide...1,012 mg/kg (Rat)

...Hydroquinone...320 mg/kg (Rat)

Inhalation (LC₅₀)...Acetone...50,100 mg/m³/8H (Rat)

...Organic Peroxide...Not toxic at 200 mg/L/4H (Rat)

Dermal (LD₅₀)...Acetone...20,000 mg/kg (Rabbit)

...Organic Peroxide...3,817 mg/kg (Rabbit)

...Hydroquinone... 300 mg/kg (Mouse)

Irritation Index, Estimation of Irritation (Species):

Skin...Acetone...Standard Draize Test...500 mg/24H, mild (Rabbit)

...Organic Peroxide...Standard Draize Test...500 mg/24H, mild (Rabbit)

...Polyester Resin...Causes irritation

...Hydroquinone...Human standard Draize test: 2%, reaction mild

Eye...Acetone...Standard Draize Test...20 mg/24H, moderate (Rabbit)

...Organic Peroxide...Standard Draize Test...500 mg/24H, mild (Rabbit)

...Polyester Resin...Mild transient irritation

Inhalation...Acetone...High concentration of vapor or mist may cause irritation of the nose, throat and respiratory tract and an anesthetic or narcotic effect.

...Polyester Resin...Irritation with exposure to dust

Other:

Sensitization...None determined

Section 12: ECOLOGICAL INFORMATION

Total Product Data:

No ecological data has been determined.

Section 13: DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Material for disposal should be placed in appropriate sealed containers to avoid potential human and environmental exposure. It is the responsibility of the generator to comply with all federal, state, provincial and local laws and regulations. We recommend that you contact an appropriate waste disposal contractor and environmental agency for relevant laws and regulations. Under the U.S., Resource Conservation and Recovery Act (RCRA), it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets relevant waste classification to assure proper disposal.

Section 16: OTHER INFORMATION

Special Precautions: Empty containers will retain some of the product residue. When handling or disposing of them, follow all label warnings, other instructions and waste disposal procedures.

Explanation and Disclaimer: Wherever such words or phrases as "hazardous," "toxic," "carcinogen," etc. appear herein, they are used as defined or described under state employee right-to-know laws, Federal OSHA laws or the direct sources for these laws such as the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), etc. The use of such words or phrases should not be taken to mean that we deem or imply any substance or exposure to be toxic, hazardous or otherwise harmful. **Any exposure can only be understood within the entire context of its occurrence, which includes such factors as the substance's characteristics as defined in the MSDS, amount and duration of exposures, other chemicals present and preexisting individual differences in response to the exposure.**

The data provided in this MSDS is based on the information received from our raw material suppliers and other sources believed to be reliable. We are supplying you this data solely in compliance with the Federal OSHA Hazard Communication Standard, 29 CFR 1910.1200 and other Federal and state laws as described in Section 15: Regulatory Information.

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Revision History:

04/28/09 update ACGIH value for acetone, add hydroquinone that was left off by mistake
01/19/07 deleted Prop 65, product no longer manufactured in CA