

GELEST, INC.

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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **Zipcane™ FA**

CHEMICAL NAME: POLY(DIMETHYLSILOXANE), DIACETOXYMETHYL TERMINATED,
50% dispersion in tetrahydrofuran/dioxane

SYNONYM: ACETOXY CURE SILICONE RTV DISPERSION

CHEMICAL FAMILY: SILICONE

HMIS CODES HEALTH: 3 FLAMMABILITY: 4 REACTIVITY: 1

INGREDIENTS

IDENTITY	CAS NO.	%	TLV	OSHA PEL
POLY(DIMETHYLSILOXANE), DIACETOXYMETHYL TERMINATED	70900-20-81	45-55	not established	not established
TETRAHYDROFURAN 200ppm		109-99-9	30-40	200ppm
DIOXANE	123-91-1	15-20	25ppm(skin)	100ppm(skin)

PHYSICAL DATA

Boiling Point: 65°C- initial (THF)

Specific Gravity: 0.97

Vapor Density (air = 1): 2.5 (THF)

% volatiles: <5

Molecular Weight: not applicable

Appearance & Color: Clear liquid, acrid odor of acetic acid (vinegar).

Melting Point: <-60°C

Vapor Pressure: not determined

Solubility in water: insoluble, reacts

Evaporation rate: N/A

FIRE & EXPLOSION DATA

Flash Point, COC: 0°C (32°F)

Autoignition Temp.: not determined

Flammability Limits- LEL: NA UEL: NA

Extinguishing Media: Water spray or fog, foam, carbon dioxide, dry chemical.

Special Fire Fighting Procedures: Avoid eye and skin contact. Do not breathe fumes or inhale vapors.

Unusual Fire and Explosion Hazards: Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.

-1-(PP1-ZPFA)

ENVIRONMENTAL INFORMATION

Spill response: Sweep material and transfer to a suitable container for disposal.

Recommended Disposal: Incinerate. Follow all chemical pollution control regulations.

HEALTH HAZARD DATA

Liberates acetic acid on exposure to moisture in air and living tissue. Dioxane, a solvent component, is an experimental carcinogen.

Eye Contact: Will cause immediate severe eye irritation, mild lachrymator.

Skin contact: Mildly toxic. Avoid Contact.

Inhalation: Repeated exposure to dioxane affects the liver and kidneys.

Oral Toxicity: not determined

Inhalation Toxicity: not determined

SUGGESTED FIRST AID

EYES: In case of contact, immediately flush eyes with flowing water for at least 15 minutes. Get medical attention.

SKIN: Flush with water, then wash with soap and water.

INHALATION: Move exposed individual to fresh air. Administer oxygen if needed. Call a physician.

INGESTION: Never give fluids or induce vomiting if patient is unconscious or having convulsions. To conscious individual give one full cup of water to dilute ingested material. Get medical attention.

REACTIVITY DATA

Stability: Stable in sealed containers

Conditions to avoid: Store away from oxidizers. Exposure to moisture in air generates acetic acid vapors. Solvent components can form peroxides when exposed for extended periods to air.

Hazardous decomposition products: Organic acid vapors and silicon dioxide.

SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.

Respiratory Protection: If exposure exceeds TLV, NIOSH approved organic vapor respirator.

Eye and Face Protection: Chemical worker's goggles. Do not wear contact lenses.

Other Clothing and Equipment: Rubber, neoprene or nitrile gloves. An eyewash and emergency shower should be available. Launder clothing before reuse.

OTHER PRECAUTIONS

For research and industrial use only.

Storage and Handling: Store in sealed containers.

TRANSPORTATION

DOT SHIPPING NAME: COATING SOLUTION (TETRAHYDROFURAN & DIOXANE)

DOT HAZARD CLASS: 3

DOT LABEL: FLAMMABLE LIQUID

DOT ID No: UN 1139

PG: II

Prepared by safety and environmental affairs

ISSUE DATE PP1-ZPFA: 1/13/03

SUPERSEDES: 9/12/95

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