

SAFETY DATA SHEET

1. IDENTIFICATION

Product Identifier

Trade name: INTER-FLEX Flexible Polyester Glazing Putty

Product Number: 8805

Product type: Flexible Filler Putty

Synonyms: Flexible Filler Putty

Details Of The Supplier Of The Safety Data Sheet

Manufacturer/Supplier:

International Epoxies & Sealers
30241 Commerce Drive
San Antonio, FL 33576
Tel: 1-800-451-7206
Fax: 1-352-588-2465
Email: info@internationalepoxies.com

Information Department: Product safety department.

Emergency Telephone: INFOTRAC: 1-800-535-5053
Outside the U.S. Call collect: 1-352-323-3500

2. HAZARD(S) IDENTIFICATION

GHS Classification

Flammable Liquid	Category 2
Skin corrosion/irritation	Category 2
Organ Toxin – Single Exposure	Category 1
Organ Toxin – Repeated Exposure	Category 2
Eye Corrosion/Irritation/Damage	Category 2A
Oral Toxin	Category 3

GHS Label Elements, Including Precautionary Statements

Emergency Overview

DANGER

Hazard Statements

Highly flammable liquid and vapor
Harmful if inhaled
Harmful if swallowed
Cause damage to organs
Causes eye irritation
Causes skin irritation



Precautionary Statements - Prevention

If medical advice is needed, have product container or label at hand.
Keep out of the reach of children.
Read label before use.
Do not handle until safety precautions have been read and understood.
Keep away from heat/hot surfaces/sparks/open flames/other ignition sources.
No smoking.
Keep container closed.
Keep cool.
Use explosion-proof electrical, ventilation, lighting and motorized equipment.
Take precautionary measures against static discharge.
Do not breathe dust/mist/vapors or spray.
Wash hands and face thoroughly after handling.
Do not eat, drink or smoke when using this product.

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Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements - Response

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

IF ON SKIN: Wash with plenty of soap and water.

If irritation persists: Contact a physician. If on clothes, immediately remove clothing.

IF INHALED: Immediately go to an area to get fresh air. Use product either outdoors or in a sufficiently ventilated area.

IF IN EYES: Rinse and flush out with plenty of water. If wearing lenses, removes and immediately flush with water. Continue rinsing. Contact a physician if irritation continues.

IF EXPOSED: Contact a poison center.

In case of fire, use dry chemical, CO₂, foam or water fog to extinguish.

Store in a well ventilated place. Keep container tightly closed.

Dispose contents and container in accordance with international, national, and local regulations.

Precautionary Statements - Storage

Store in a well-ventilated place. Keep container tightly closed.

Precautionary Statements - Disposal

Dispose of contents/container in accordance with international, national, and local regulations.

Hazards not otherwise classified (HNOC)

None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Composition %*	Vapor Pressure(mmHg)
Styrene	100-42-5	10-20%	4.5@20°C
Polymer Blend	Proprietary	20-40%	NA
Titanium Dioxide	13463-67-7	0-5%	NA
Talc	14807-96-6	40-50%	NA
Ethylbenzene	100-41-4	0-1%	NA

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures for different exposure routes

General advice Seek immediate medical attention for any over-exposure or symptoms obtained from this product. Product is intended for professional use only.

Eye contact May cause irritation or burning of the eyes. Flush out continuously with plenty of water for at least 10 minutes. Hold eye lids opens and continue rinsing throughout flushing of the eyes. Contact a physician if irritation or burning continues.

Skin contact May cause skin irritation and/or dermatitis. Take off all contaminated clothing, rinse affected areas immediately with plenty of soap and water. Contact a physician if problems or irritation continues.

Inhalation May cause headache, confusion, unconsciousness, nausea, and/or dizziness. May cause nose and throat irritation. Remove person to fresh air and keep comfortable for breathing. If breathing difficulty continues, contact a physician.

Ingestion May cause gastrointestinal distress. Do not induce vomiting. Contact a physician immediately.

Most important symptoms/effects, acute and delayed

Main Symptoms May cause nervous system depression. Prolonged overexposure to solvents has been reported to cause permanent brain and nervous system damage. Headaches, dizziness, loss of coordination, confusion and loss of breath should be identified as important acute symptoms.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Dry chemical, Carbon dioxide (CO₂) and chemical foam, or water fog.

Unsuitable Extinguishing Media: High volume water jets.

Special Firefighting Procedures:

Water spray to cool containers. If this material is involved in a fire.

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NIOSH approved self-contained breathing apparatus should be worn.
Highly toxic fumes may be generated by thermal decomposition. Dike and collect all water used.
Proper firefighting equipment should be used.
Minimize skin exposure.
Avoid spill leakage into drains or public water access.

Fire & Explosion Hazards:

Flammable liquid. Vapor/air mixture will burn when an ignition source is present.
Vapors are heavy, may concentrate at lower levels creating hazard. Keep containers closed.
Vapor may move to source of ignition.
At high temperatures containers may burst.

Potential Combustion By-Products:

CO₂, CO, formaldehyde and other Carbon by-products from the reactivity of solvents, smoke, oxides of metals reported in material composition.
Combustion Generates toxic fumes.

Flammability Class: Highly flammable **Flash point:** -4°F **LEL:** None Determined

6. ACCIDENTAL RELEASE MEASURES

Procedures/Methods for Cleaning Spills

Avoid breathing in vapors or mists. Obtain proper ventilation. Remove sources of ignition. Avoid skin or eye contact with vapor.
Wear a NIOSH approved respirator, suitable eyes protection and protective clothing. Evacuate unauthorized personnel from the area of the spill. Prevent vapor accumulation and confine spill with an inert absorbent. Clean with a detergent. Allow solvents to evaporate.

Environmental Precautions

Avoid products from entering drains or public waterways.

7. HANDLING AND STORAGE

Personal Protective Equipment

Breathing equipment: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Protection of hands:

Protective gloves: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Eye protection: Tightly sealed goggles.

Safe Handling Instructions:

Read all warnings on label. Vapors may cause flash fire; Keep away from heat, sparks, flame and all other possible sources of ignition. Close container after each use. Do not store above 50°C. Avoid build-up of materials with gentle sweeping or vacuuming. Avoid possibilities of electrostatic discharge. Use in ventilated areas. Do not store in different containers and do not use pressure to empty containers.

Storage Procedures:

Always close the container tightly. Keep away from all combustible sources. Store in a dry and ventilated area. Keep away from direct sunlight. Keep away from strong alkaline and acidic materials. Do not store with oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Exposure Guidelines

Chemical Name	ACGIH/TLV (ppm)	OSHA/PEL (ppm)	
Styrene 100-42-5	20	50	
Polymer Blend (Proprietary)	NA	NA	
Titanium Dioxide 13463-67-7	10	15	

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Talc 14807-96-6	NA	NA	
Ethylbenzene 100-41-4	100	100	

PERSONAL PROTECTIVE EQUIPMENT:

BREATHING EQUIPMENT:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

RESPIRATORY PROTECTION: Use a MSHA/NIOSH approved cartridge respirator.

VENTILATION: Adequate to keep exposure limits below recommended. Ventilation equipment must be explosion proof.

PROTECTIVE GLOVES: Polyvinyl gloves and apron.

EYE PROTECTION: Chemical splash goggles (ANSI Z 87.1 or approved equivalent.), Safety glasses.

OTHER PROTECTIVE EQUIPMENT: wear protective clothing to prevent contact with product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties

Appearance: Clear, viscous organic smelling liquid

Property	Values
pH	Not applicable
Solubility	Hydrophobic, water insoluble
Flash Point	88°F
Viscosity	Not determined
Evaporation rate	Slower than n-butyl acetate
Density (lb/gal)	11.4
Specific Gravity	-1.369
Percent Volatiles by Weight	10-20%
Percent Solids by Weight	80-90%
VOC Material (g/L)	295
VOC Coating (g/L)	295
VOC (lbs/gal)	2.46
% Weight VOC	10-20%
% Weight Exempt VOC	0%

10. STABILITY AND REACTIVITY

Stability: Stable.

Hazardous Polymerization: Will not occur.

Incompatibility: Oxidizing agents, strong alkaline and acidic products, high temperatures.

Conditions to Avoid: Excessive heat and freezing temperatures.

Hazardous Decomposition Products: CO, CO₂, Carbon by-products, smoke, oxides from Nitrogen, oxides from Sulfur and Phosphorous.

STEPS TO BE TAKEN IN CASE MATERIAL RELEASED OR SPILLED: Confine as much as possible. Dike and absorb with inert material such as vermiculite.

Remove from ignition sources, ventilate area and vacate area. Allow solvents to evaporate.

WASTE DISPOSAL METHOD: Dispose of waste in accordance with all Federal, State, and Local ordinances.

11. TOXICOLOGICAL INFORMATION

Routes To Entry: Dermal contact, Inhalation, Eye Contact, Ingestion.

Chemical Toxicological Information

CAS No.	Chemical Name	LD50 (mg/kg)*
100-42-5	Styrene	2650
Proprietary	Polymer Blend	NA

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13463-67-7	Titanium Dioxide	NA
14807-96-6	Talc	NA
100-41-4	Ethylbenzene	5460

*All LD50 results are the oral toxicity LD50 of a rat.

TARGET ORGANS: Eyes, Lungs, Liver, Skin, Peripheral and Central Nervous System, Kidneys, Reproductive Organs, Respiratory System, Other

ACUTE EFFECTS: Single Exposure

Dermal Contact: Irritation, redness, burning sensation on skin. May cause inflammation.

Inhalation: Headaches, loss of coordination, dizziness, fatigue, respiratory tract irritation, vomiting, and labored breathing.

Eye: Tearing, redness, blurry vision, impairment of vision.

Ingestion: Vomiting, nausea, and gastrointestinal discomfort.

CHRONIC EFFECTS: Repeated Exposure

Repeated exposure may cause Talc pneumoconiosis.

Some of these substances are known to cause damage to the central nervous system, liver, and kidneys.

May cause severe lung damage.

May cause dry skin, rash, sensitization and allergy.

May cause dryness and cracking of skin.

May cause damage to the respiratory system.

12. ECOLOGICAL INFORMATION

No data is available for ecological information and testing for this product.

13. DISPOSAL CONSIDERATIONS

Product should be disposed of in accordance with federal, state, regional and local regulations. Do not allow product to enter drains or public waterways.

14. TRANSPORTATION INFORMATION

SHIPPING INFORMATION:

USDOT SHIPPING NAME:	PAINT FLAMMABLE LIQUID
USDOT HAZARD CLASS:	3 Flammable Liquid
USDOT PACKING GROUP:	II
USDOT LABELS REQUIRED:	DOT LABELS REQUIRED - UN 1263
FREIGHT DESCRIPTION (DOT, ADR, IMDG, IATA):	PG III
Environmental Hazards or Marine Pollutant:	No

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Wear gloves, goggles and protective clothing to prevent contact with product Do not store containers in direct sunlight.

Empty containers should be reconditioned by certified firms (drums, pails). Sale of empty containers should be in accordance with applicable laws and regulations.

15. REGULATORY INFORMATION

US Regulations:

US TSCA: All components in this product are listed on the US TSCA Inventory Requirements or is exempt from reporting requirements.

California Proposition 65-(State Drinking Water & Toxic Environment Act)

Warning: This product contains chemicals that are known to the State of California to cause cancer, developmental and/or birth defects.

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CAS No	Chemical Name	Composition
13463-67-7	Titanium Dioxide	0-5%
100-41-4	Ethylbenzene	0-1%

SARA (Superfund Amendments and Reauthorization Act)
The following are reportable in the SARA act of 1986.

CAS No	Chemical Name	SARA 313 required
100-42-5	Styrene	Yes
Proprietary	Polymer Blend	No
13463-67-7	Titanium Dioxide	No
14807-96-6	Talc	No
100-41-4	Ethylbenzene	Yes

Canada Regulations

DSL- All of the components in this product are listed on the Canadian Domestic Substance List or are not required to list.

Product is photochemically reactive.

16. OTHER INFORMATION

HMIS Ratings

Fire: 3
Reactivity: 0
Health: 2
Personal Protection: 0

Prepared By
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Revision Note No information available

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

END OF MSDS