

# SAFETY DATA SHEET

Z-Grip (101350, 101667, 104167)

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product name and/or code** : Z-Grip (101350, 101667, 104167)  
**Manufacturer** : Evercoat  
 a Division of Illinois Tool Works Inc.  
 6600 Cornell Road  
 Cincinnati, Ohio USA  
 Phone: 1-513-489-7600

**e-mail address of person responsible for this SDS** : marketing@evercoat.com

**Emergency telephone number (with hours of operation)** : CHEMTEL, INC 1-800-255-3924

**Product use** : Super-Lightweight Filler

## 2. HAZARDS IDENTIFICATION

The product is classified as dangerous according to Directive 1999/45/EC and its amendments.

**Classification** : R10  
 Xn; R20  
 Xi; R36/38

**Physical/chemical hazards** : Flammable.

**Human health hazards** : Harmful by inhalation. Irritating to eyes and skin.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC.

Chemical name	CAS number	%	EC number	Classification
styrene	100-42-5	12.5 - 25	202-851-5	R10 Xn; R20 Xi; R36/38
See section 16 for the full text of the R-phrases declared above				

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in section 8.

## 4. FIRST AID MEASURES

### First-aid measures

**General** : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

**Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Give nothing by mouth. If unconscious, place in recovery position and seek medical advice.

**Date of issue/Date of revision** : 3/31/2008.

Page: 1/6

## 4. FIRST AID MEASURES

- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do not use solvents or thinners.
- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open.
- Ingestion** : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do not induce vomiting.

## 5. FIRE-FIGHTING MEASURES

- Extinguishing media** : Recommended: alcohol-resistant foam, CO<sub>2</sub>, powders, water spray.  
Not to be used : water jet.
- Recommendations** : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not release runoff from fire to sewers or waterways.

## 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Exclude sources of ignition and ventilate the area. Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8.
- Spill** : Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Do not allow to enter drains or watercourses. Preferably clean with a detergent. Avoid using solvents. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

**Note:** see section 8 for personal protective equipment and section 13 for waste disposal.

## 7. HANDLING AND STORAGE

- Handling** : Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapours in air and avoid vapour concentrations higher than the occupational exposure limits.
- In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard.
- To dissipate static electricity during transfer, earth drum and connect to receiving container with bonding strap. Operators should wear antistatic footwear and clothing and floors should be of the conducting type.
- Keep container tightly closed. Keep away from heat, sparks and flame. No sparking tools should be used.
- Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this preparation. Avoid inhalation of dust from sanding.
- Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.
- Put on appropriate personal protective equipment (see section 8).
- Never use pressure to empty. Container is not a pressure vessel. Always keep in containers made from the same material as the original one.
- Comply with the health and safety at work laws.

## 7. HANDLING AND STORAGE

- Storage** : Store in accordance with local regulations. Observe label precautions. Do not store above the following temperature: 25°C (77°F). Store in a cool, well-ventilated area away from incompatible materials and ignition sources.
- Keep away from: oxidising agents, strong alkalis, strong acids.  
No smoking. Prevent unauthorised access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.  
Do not empty into drains.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering measures** : Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn.

<u>Ingredient name</u>	<u>Occupational exposure limits</u>
styrene	<b>ACGIH TLV (United States, 1/2006). Skin</b> STEL: 170 mg/m <sup>3</sup> 15 minute(s). TWA: 85 mg/m <sup>3</sup> 8 hour(s).

### Personal protective equipment

- Respiratory system** : If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.
- Dry sanding, flame cutting and/or welding of the dry paint film will give rise to dust and/or hazardous fumes. Wet sanding/flattening should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used.
- Skin and body** : Personnel should wear antistatic clothing made of natural fibres or of high-temperature-resistant synthetic fibres.

### **Hands**

Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

- Eyes** : Use safety eyewear designed to protect against splash of liquids.

### Environmental exposure controls

Do not allow to enter drains or watercourses.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state** : Liquid.
- Colour** : Green.
- Flash point** : Open cup: 37.5°C (99.5°F)
- Relative density** : 1.04
- Vapour density** : >1 [Air = 1]
- Lower explosion limit** : Lower: 1.1%  
Upper: 6.1%
- Solubility** : Insoluble in the following materials: cold water and hot water.

## 10. STABILITY AND REACTIVITY

Stable under recommended storage and handling conditions (see section 7).

Hazardous decomposition products: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.

**11. TOXICOLOGICAL INFORMATION****Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
styrene	LD50 Intraperitoneal	Rat	898 mg/kg	-
	LD50 Oral	Rat	5000 mg/kg	-
	LD50 Oral	Rat	2650 mg/kg	-

**Conclusion/Summary** : Not available.

**Chronic toxicity**

**Conclusion/Summary** : Not available.

**Carcinogenicity**

**Conclusion/Summary** : Not available.

**Mutagenicity**

**Conclusion/Summary** : Not available.

**Teratogenicity**

**Conclusion/Summary** : Not available.

**Reproductive toxicity**

**Conclusion/Summary** : Not available.

**12. ECOLOGICAL INFORMATION**

There is no data available on the preparation itself.  
Do not allow to enter drains or watercourses.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment.

**Aquatic ecotoxicity**

Product/ingredient name	Test	Result	Species	Exposure
styrene	Mortality	Acute EC50 4.7 mg/L	Daphnia	48 hours
	Mortality	Acute LC50 10 mg/L	Fish	96 hours
	Mortality	Acute LC50 29 mg/L	Fish	96 hours
	Mortality	Acute LC50 4.02 mg/L	Fish	96 hours
	Mortality	Acute LC50 25.05 mg/L	Fish	96 hours

**Conclusion/Summary** : Not available.

**Biodegradability**

**Conclusion/Summary** : Not available.

**13. DISPOSAL CONSIDERATIONS**

Do not allow to enter drains or watercourses.  
Dispose of according to all federal, state and local applicable regulations.

**Hazardous waste** : The classification of the product may meet the criteria for a hazardous waste.

**14. TRANSPORT INFORMATION**

**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Land - road/railway**

**UN number** : UN3269

**Transport document name** : POLYESTER RESIN KIT

## 14. TRANSPORT INFORMATION

ADR/RID Class : 3

Packing group : III

ADR/RID Label :



### Sea

UN number : UN3269

Proper shipping name : POLYESTER RESIN KIT

Special provisions : 236, 944

IMDG Class : 3

Packing group : III

IMDG Label :



Marine pollutant : No.

Emergency schedules (EmS) : F-E, S-D

### Air

UN number : UN3269

Proper shipping name : Polyester resin kit

Special provisions : A66

ICAO/IATA Classification : 3

Packing group : III

The "viscosity exemption" provisions do not apply to air transport.

ICAO/IATA label :



### Inland waterways

UN number : UN3269

Proper shipping name : POLYESTER RESIN KIT

ADNR Classification : 3

Packing group : III

ADNR Label :



## 15. REGULATORY INFORMATION

**EU regulations** : The product is classified and labelled for supply in accordance with the Directive 1999/45/EC as follows:

**Hazard symbol or symbols** :



Harmful

**Date of issue/Date of revision** : 3/31/2008.

## 15. REGULATORY INFORMATION

- Risk phrases** : R10- Flammable.  
R20- Harmful by inhalation.  
R36/38- Irritating to eyes and skin.
- Safety phrases** : S24- Avoid contact with skin.  
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S43- In case of fire, use dry chemical powder.  
S51- Use only in well-ventilated areas.
- Contains** : styrene
- VOC for Ready-for-Use Mixture** : IIB/b. Bodyfiller/stopper - All types. EU limit values: 250g/l. (2007)  
This product contains a maximum of 95 g/l VOC.
- Europe inventory** : **Europe inventory:** All components are listed or exempted.
- Industrial use** : The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation. The provisions of the national health and safety at work regulations apply to the use of this product at work.

## 16. OTHER INFORMATION

- CEPE Classification** : 1
- Full text of R-phrases referred to in sections 2 and 3 - Europe** : R10- Flammable.  
R20- Harmful by inhalation.  
R36/38- Irritating to eyes and skin.
- The information in this Safety Data Sheet is required pursuant to EU Directive 91/155/EEC and its amendments.
- Date of issue/Date of revision** : 3/31/2008.
- Version** : 1.1

☑ Indicates information that has changed from previously issued version.

### Notice to reader

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.