



SECTION 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier	104167 Z-Grip
1.2 Relevant identified uses of the substance or mixture and uses advised against	Automotive repair
1.3 Details of the supplier of the safety data sheet	ITW Evercoat a division of Illinois Tool Works Inc. 6600 Cornell Road Cincinnati, OH 45242 513-489-7600
1.4 Emergency telephone number	CHEM TEL: +1-813-248-0591

SECTION 2 Hazards identification

2.1 Classified in accordance to (EC) No. 1272/2008

2.1 Classified in accordance to (EC) No. 1272/2008	Respiratory Sensitisation Category 1 Skin Sensitisation Category 1 Skin Corrosion/Irritation Category 2 Serious Eye Damage/Eye Irritation Category 2 Flammable Liquid Category 3
Classified in accordance to (EC) No 67/548/EEC	Xn - Harmful Xi - Irritant
Health Hazard Data	R36/37/38 - Irritating to eyes, respiratory system and skin; R20 - Harmful by inhalation
Physiochemical Effects	R10 - Flammable

2.2 Label elements

Pictogram	
Signal Word	Danger
Hazard Statements	H226 - Flammable liquid and vapour. H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Precautionary Statements	P233 - Keep container tightly closed. P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

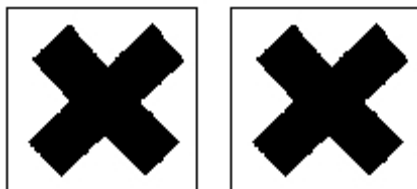
P403+P235 - Store in a well-ventilated place. Keep cool.

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P284 - [In case of inadequate ventilation] wear respiratory protection.

Indications of Danger Xn - Harmful
Xi - Irritant

EU Symbols



2.3 Other hazards No data available

SECTION 3 Composition/information on ingredients

Chemical Name	%	CAS # Reach registration no	(EC) No 1272/2008	1999/45/EC
Styrene	10 - 30	100-42-5	Acute Tox. 4; H332 Acute Tox. 4; H332 Acute Tox. 4; H332 Eye Irrit. 2; H319 Flam. Liq. 3; H226 Skin Irrit. 2; H315	XN R10 R20 R36/38
Acid anhydride	0.5 - 1.5	85-43-8	Aquatic Chronic 3; H412 Eye Dam. 1; H318 Resp. Sens. 1; H334 Skin Sens. 1; H317	XI R36/37

For full text of H-statements; See Section 16

SECTION 4 First aid measures

4.1 Description of first aid measures

Inhalation Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately. Get medical attention immediately. Keep the victim warm and quiet. If the victim has stopped breathing open airway, loosen collar and belt, and administer artificial respiration. If breathing is difficult, oxygen may be beneficial if administered by trained personnel, preferably on a doctor's advice.

Eye Contact Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.

Skin Contact Wash with soap and water. Get medical attention if irritation develops or persists.

Ingestion	Remove contaminated clothing and continue flushing with water. Seek medical advice if symptoms persist Wash clothing before reuse. Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Provide medical care provider with this MSDS. Do not induce vomiting unless directed to do so by medical personnel.
Self protection of the first aider	No data available

4.2 Most important symptoms and effects, both acute and delayed

Symptom See Section 4.1

4.3 Indication of any immediate medical attention and special treatment needed

Note to Doctor No additional first aid information available

SECTION 5 Firefighting measures

5.1 Extinguishing media	Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used to extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire. Carbon dioxide Dry chemical
Unsuitable extinguishing media	No data available
5.2 Special hazards arising from the substance or mixture	
Fire and/or Explosion Hazards	Vapors may be ignited by sparks, flames or other sources of ignition if material is above the flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back.
Hazardous Combustion Products	Carbon dioxide, Carbon monoxide, Hydrocarbons
5.3 Advice for firefighters	
Fire Fighting Methods and Protection	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.

SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures	
For Non-emergency Personnel	Non-emergency personnel should be kept clear of the area.
For emergency responders	No health effects expected from the clean-up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section VIII of this MSDS
6.2 Environmental precautions	No data available
6.3 Methods and material for containment and cleaning up	No special spill clean-up considerations. Collect and discard in regular trash. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area. Use an inert absorbent such as sand or vermiculite. Place in properly labeled closed container.
6.4 Reference to other sections	Refer to section 13 for disposal information.

SECTION 7 Handling and storage

- 7.1 Precautions for safe handling** Mildly irritating material. Avoid unnecessary exposure. Do not get in eyes, on skin and clothing Wash hands before eating Use with adequate ventilation Avoid contact with material, avoid breathing dusts or fumes, use only in a well ventilated area.
- 7.2 Conditions for safe storage, including any incompatibilities** Store in a cool dry place. Isolate from incompatible materials. Store in a cool dry place Keep away from heat, sparks, and flame Store in a tightly closed container
- 7.3 Specific end use(s)** Automotive repair

SECTION 8 Exposure controls/personal protection

8.1 Control parameters

Chemical Name	ACGIH TLV-TWA	ACGIH STEL	IDLH
Styrene	20 ppm	40 ppm STEL; 170 mg/m3 STEL	No data available

8.2 Exposure controls

- Engineering Measures** No exposure limits exist for the constituents of this product. Use local exhaust ventilation or other engineering controls to minimize exposures and maintain operator comfort.
- Respiratory Protection** Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms.
- Eye Protection** Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.
- Skin Protection** Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene and wear a barrier cream and/or impervious surgical style gloves. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.
- Gloves** No information available
- Thermal hazards** No data available

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Physical State** Paste
- Colour** Green Yellow
- Odour** Aromatic
- Odour Threshold** No data available
- pH** Neutral
- Melting point / Freezing point (°C)** -30.6
- Initial boiling point and boiling range (°C)** 145
- Flash Point (°C)** 37.5
- Evaporation Rate** No data available
- Flammability (Solid, gas)** No data available
- Upper Flammable/Explosive Limit, % in air** 6.1
- Lower Flammable/Explosive Limit, % in air** 1.1
- Vapour Pressure** 5.0 mmHg @ 68 °F / 20 °C
- Vapour Density** Heavier than air. Vapors that evolve from this product will tend to settle and accumulate near the floor.

Relative Density	1.04
Solubility(ies)	Minimal; 1-9%
Partition coefficient: n-octanol/water	Unknown
Autoignition Temperature (°C)	490
Decomposition Temperature	No data available
Viscosity	90,000 - 108,000
Explosive properties	No data available
Oxidizing properties	No data available

9.2 Other information No data available

SECTION 10 Stability and reactivity

10.1 Reactivity	No data available
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	No data available
10.4 Conditions to avoid	Contamination
10.5 Incompatible materials	Peroxides; Strong acids; Strong oxidizing agents
10.6 Hazardous decomposition products	Carbon dioxide Carbon monoxide Hydrocarbons

SECTION 11 Toxicological information

11.1 Information on toxicological effects

Component Toxicology Data

Chemical Name	CAS Number	Oral LD50	Dermal LD50	Inhalation LC50
No data available				

SECTION 12 Ecological information

12.1 Toxicity	No data available
12.2 Persistence and degradability	No data available
12.3 Bioaccumulative potential	No data
12.4 Mobility in soil	No data available
12.5 Results of PBT and vPvB assessment	No data available
12.6 Other adverse effects	No data available
12.7 Additional information	No data available

Ecotoxicity Data

Chemical Name	CAS Number	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
No data available				

SECTION 13 Disposal considerations

13.1 Waste treatment methods

Waste Description for Spent Product	Spent or discarded material is a hazardous waste.
Disposal Methods	Dispose of by incineration following Federal, State, Local, or Provincial regulations.

Waste Disposal Code(s) W080111
(European Waste Catalogue)

SECTION 14 Transport information

Ground:

14.1 UN number: UN3269
 14.2 UN proper shipping name: POLYESTER RESIN KIT
 14.3 Transport hazard class(es): 3
 14.4 Packing group: III
 Exemptions: Limited Quantity

Air:

14.1 UN number: UN3269
 14.2 UN proper shipping name: POLYESTER RESIN KIT
 14.3 Transport hazard class(es): 3
 14.4 Packing group: III

Water:

14.1 UN number: UN3269
 14.2 UN proper shipping name: POLYESTER RESIN KIT
 14.3 Transport hazard class(es): 3
 14.4 Packing group: III
 Exemptions: Limited Quantity

14.5 Environmental hazards: No
 14.6 Special precautions for user: No data available
 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: No data available

SECTION 15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Chemical Name	EINECS	SVHC
Styrene	Y	N
Acid anhydride	Y	N
Ethylene Glycol phenyl ether	Y	N
Diacetone alcohol	Y	N

15.2 Chemical safety assessment No data available

SECTION 16 Other information

Hazard phrase(s) referenced in section 3

- H226 - Flammable liquid and vapour.
- H302 - Harmful if swallowed.
- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H318 - Causes serious eye damage.
- H319 - Causes serious eye irritation.
- H332 - Harmful if inhaled.
- H334 - May cause allergy or asthma symptoms or breathing difficulties if

	inhaled. H412 - Harmful to aquatic life with long lasting effects.
Risk Phrase(s) referenced in section 3	R10 - Flammable R20 - Harmful by inhalation R22 - Harmful if swallowed R36 - Irritating to eyes R36/37 - Irritating to eyes and respiratory system R36/38 - Irritating to eyes and skin.
Precautionary Statements Prevention	P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat/sparks/open flames/hot surfaces. – No smoking. P233 - Keep container tightly closed. P240 - Ground/bond container and receiving equipment. P241 - Use explosion-proof electrical/ventilating/lighting equipment. P242 - Use only non-sparking tools. P243 - Take precautionary measures against static discharge. P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P272 - Contaminated work clothing should not be allowed out of the workplace. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P284 - Wear respiratory protection.
Response	P302+P352 - IF ON SKIN: Wash with plenty of soap and water. P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P307+P311 - IF exposed: Call a POISON CENTER or doctor/physician. P308+P313 - IF exposed or concerned: Get medical advice/attention. P314 - Get medical advice/attention if you feel unwell. P321 - Specific treatment (see on this label). P332+P313 - If skin irritation occurs: Get medical advice/attention. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention. P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. P363 - Wash contaminated clothing before reuse. P370+P378 - In case of fire: Use for extinction.
Storage	P233 - Keep container tightly closed. P403+P235 - Store in a well-ventilated place. Keep cool. P405 - Store locked up.
Disposal	P501 - Dispose of contents/container in accordance with local/regional/national/international regulation for hazardous wastes.

NOTICE: The information accumulated herein is believed to be correct as of the date issued from sources, which are believed to be accurate and reliable. Since it is not possible to anticipate all circumstances of use, recipients are advised to confirm, in advance of need, that the information is current, applicable and suitable to their circumstances