

Safety Data Sheet

Prepared in accordance with Commission Regulation (EU) 2015/830



Stock Number: 100280

Revision Date: 20-06-2017

This document replaces SDS dated: 19-09-2016

Z-Grip

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

1.1 Product identifier: Z-Grip

Stock Number: 100280

Other means of identification:

Synonyms: None Known

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant identified uses: Lightweight body filler

Premium Light weight body filler

Uses advised against: Uses other than recommended use.

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

Telephone number:

513-489-7600

E-mail address:

1.4 Emergency telephone number:

CHEM TEL: +1-813-248-0591

Poison Centre contact information:

National Poisons Information Service (NPIS)

Email: director.birmingham.unit@npis.org

Website: <http://www.npis.org/>

Ireland National Poison Centre, Beaumont Hospital,

P.O. Box 1297, Beaumont Road, Dublin 9, Ireland

Members of Public: +353 (01) 809 2166. (8.00 a.m. to 10.00 p.m. 7 days a week)

Healthcare Professionals: +353 (01) 809 2566 (24 hour service)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Skin Sensitisation Category 1

Carcinogenicity Category 1A

Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 1

Specific Target Organ Systemic Toxicity (STOT) - Repeated Exposure Category 1

Skin Corrosion/Irritation Category 2

Safety Data Sheet

Prepared in accordance with Commission Regulation (EU) 2015/830



Stock Number: 100280

Revision Date: 20-06-2017

This document replaces SDS dated: 19-09-2016

Z-Grip

Serious Eye Damage/Eye Irritation Category 2
Germ Cell Mutagenicity Category 2
Reproductive Toxicity Category 2
Flammable Liquid Category 3

2.2 Label elements:

Labelling according to Regulation (EC) No 1272/2008 [CLP]:

Hazard
pictograms:



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
H341 - Suspected of causing genetic defects
H350 - May cause cancer
H361d - Suspected of damaging the unborn child
H370 - Causes damage to organs
H372 - Causes damage to organs through prolonged or repeated exposure

Precautionary Statements:

P201 - Obtain special instructions before use.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 - Keep container tightly closed.
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

Supplemental Hazard information (EU):

EUH208 - Contains Tetrahydrophthalic anhydride. May produce an allergic reaction.

2.3 Other hazards:

Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

SECTION 3: Composition/information on ingredients

Safety Data Sheet

Prepared in accordance with Commission Regulation (EU) 2015/830



Stock Number: 100280

Revision Date: 20-06-2017

This document replaces SDS dated: 19-09-2016

Z-Grip

3.1 Substances:

Not applicable

3.2 Mixtures:

Chemical Name	%	CAS #	EC No. REACH Registration No.	Classification (EC) No 1272/2008	M Factor	SCL
Crystalline Silica (Quartz)	0.1 - 1	14808-60-7	None Known	Acute Tox. 4 (Oral); H302 Carc. 1A; H350 STOT RE 1; H372 STOT SE 1; H370	No data available	No data available
Silica, amorphous	0.1 - 1	7631-86-9	None Known	Carc. 1A; H350 Eye Irrit. 2; H319 STOT RE 1; H372 STOT SE 3; H335, H336	No data available	No data available
Ethylene Glycol phenyl ether	0.1 - 1	122-99-6	204-589-7	Acute Tox. 4 (Oral); H302 Eye Irrit. 2; H319 Repr. 2; H361	No data available	No data available
Tetrahydrophthalic anhydride	0.5 - 1.5	85-43-8	247-570-9 219-374-3 213-308-7 201-605-4 247-570-9 219-374-3 213-308-7	Aquatic Chronic 3; H412 Eye Dam. 1; H318 Resp. Sens. 1; H334 Skin Sens. 1; H317 EUH208	No data available	No data available
Glass enamel	3 - 7	65997-17-3	None Known	Eye Irrit. 2; H319 STOT SE 3; H335, H336	No data available	No data available
Calcium carbonate	10 - 30	471-34-1	None Known	Eye Irrit. 2; H319	No data available	No data available

Safety Data Sheet

Prepared in accordance with Commission Regulation (EU) 2015/830



Stock Number: 100280

Revision Date: 20-06-2017

This document replaces SDS dated: 19-09-2016

Z-Grip

Talc	10 - 30	14807-96-6	None Known	STOT RE 1; H372	No data available	No data available
Styrene	10 - 30	100-42-5	202-851-5	Aquatic Acute 1; H400 Asp. Tox. 1; H304 Acute Tox. 4 (Inh Dust/Mist); H332 Carc. 2; H351 Eye Irrit. 2; H319 Flam. Liq. 3; H226 Muta. 2; H341 Repr. 2; H361 Skin Irrit. 2; H315 STOT RE 1; H372 STOT SE 1; H370	No data available	No data available
Dolomite	0.5 - 1.5	16389-88-1	None Known		No data available	No data available
Titanium dioxide	0.1 - 1	13463-67-7	None Known		No data available	No data available
Paraffin Wax	0.1 - 1	8002-74-2	None Known	Eye Irrit. 2; H319 STOT SE 3; H335, H336	No data available	No data available
Aluminum oxide	< 0.1	1344-28-1	None Known		No data available	No data available
Limestone	< 0.1	471-34-1	None Known	Eye Irrit. 2; H319	No data available	No data available
Diacetone alcohol	< 0.1	123-42-2	204-626-7	Eye Irrit. 2; H319 Repr. 2; H361 Skin Irrit. 2; H315 STOT RE 1; H372 STOT SE 2; H371	No data available	EYE IRRIT. 2: 10%

Safety Data Sheet

Prepared in accordance with Commission Regulation (EU) 2015/830



Stock Number: 100280

Revision Date: 20-06-2017

This document replaces SDS dated: 19-09-2016

Z-Grip

Carbon black	< 0.01	1333-86-4	None Known	Carc. 2; H351 STOT SE 3; H335, H336	No data available	No data available
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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. If the victim has stopped breathing open airway, loosen collar and belt, and administer artificial respiration. Keep the victim warm and quiet.

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. Wash clothing before reuse. Remove contaminated clothing and continue flushing with water.

Ingestion:

Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Provide medical care provider with this SDS. If possible, do not leave individual unattended. If individual is drowsy or unconscious, do not give anything by mouth; place individual on left side with head down.

Self protection of the first aider:

No data available

4.2 Most important symptoms and effects, both acute and delayed:

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Suspected of damaging the unborn child Causes damage to organs. Causes damage to organs through prolonged or repeated exposure.

4.3 Indication of any immediate medical attention and special treatment needed:

IF exposed or concerned: Call a POISON CENTER/doctor.

SECTION 5: Firefighting measures

5.1 Extinguishing media:

Suitable 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. Regular foam

Safety Data Sheet

Prepared in accordance with Commission Regulation (EU) 2015/830



Stock Number: 100280

Revision Date: 20-06-2017

This document replaces SDS dated: 19-09-2016

Z-Grip

Unsuitable extinguishing media:	No data available
5.2 Special hazards arising from the substance or mixture:	Vapours 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). vapours are heavier than air and may travel to a source of ignition and flash back.
Hazardous Combustion Products:	Carbon dioxide, Carbon monoxide, Styrene oxide, Hydrocarbons
5.3 Advice for firefighters:	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 vapours and decomposition products. Wear a self contained breathing apparatus (NIOSH approved) with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Water may be used to cool closed containers to prevent pressure build-up and possible auto ignition or explosion when exposed to extreme heat.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Non-emergency personnel:	Non-emergency personnel should be kept clear of the area.
Emergency responders:	No health affects expected from the clean-up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section 8 of this SDS

6.2 Environmental precautions: No data available

6.3 Methods and material for containment and cleaning up:

Small spills:	Refer to information provided for large spills
Large spills:	No special spill clean-up considerations. Collect and discard in regular trash. Use an inert absorbent such as sand or vermiculite. Place in properly labeled closed container. Avoid breathing vapors. All personnel in the area should be protected as in Section 8. Activate available exhaust ventilation equipment in the immediate spill area. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area.

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. Keep out of the reach of children. Keep container closed when not in use. Do not take internally. Avoid contact with material, avoid breathing dusts or fumes, use only in a well ventilated area. Use with adequate ventilation Wash hands before
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Safety Data Sheet

Prepared in accordance with Commission Regulation (EU) 2015/830



Stock Number: 100280

Revision Date: 20-06-2017

This document replaces SDS dated: 19-09-2016

Z-Grip

Do not get in eyes, on skin and clothing All hazard precautions given in the data sheet must be observed.

7.2 Conditions for safe storage, including any incompatibilities:

Conditions for safe storage:

Store in a cool dry place. Isolate from incompatible materials. Avoid contact with incompatible materials. Store in a tightly closed container Keep away from heat, sparks, and flame For maximum product quality, avoid prolonged storage at temperatures above 75 °F (25 °C). Store in a cool dry place

Materials to Avoid/Chemical Incompatibility:

Peroxides, Strong acids, Strong oxidizing agents, Polymerization catalysts

7.3 Specific end use(s):

Lightweight body filler

Premium Light weight body filler

SECTION 8: Exposure controls/personal protection

8.1 Control parameters:

Occupational Exposure limit values:

Chemical Name	United Kingdom - Workplace Exposure Limits (WELs) - TWAs	United Kingdom - Workplace Exposure Limits (WELs) - STELs	United Kingdom - Biological Monitoring Guidance Values
Styrene	100 ppm TWA; 430 mg/m ³ TWA	250 ppm STEL; 1080 mg/m ³ STEL	No data available
Talc	1 mg/m ³ TWA (respirable dust)	3 mg/m ³ STEL (calculated, respirable dust)	No data available
Calcium carbonate	10 mg/m ³ TWA (inhalable dust); 4 mg/m ³ TWA (respirable dust)	30 mg/m ³ STEL (calculated, inhalable dust); 12 mg/m ³ STEL (calculated, respirable dust)	No data available
Glass enamel	No data available	No data available	No data available
Dolomite	No data available	No data available	No data available
Titanium dioxide	No data available	No data available	No data available
Silica, amorphous	No data available	No data available	No data available
Crystalline Silica (Quartz)	No data available	No data available	No data available
Paraffin Wax	No data available	No data available	No data available
Aluminum oxide	No data available	No data available	No data available

Safety Data Sheet

Prepared in accordance with Commission Regulation (EU) 2015/830



Stock Number: 100280

Revision Date: 20-06-2017

This document replaces SDS dated: 19-09-2016

Z-Grip

Limestone	No data available	No data available	No data available
Diacetone alcohol	No data available	No data available	No data available
Carbon black	No data available	No data available	No data available

DNEL: No data available

PNEC: No data available

8.2 Exposure controls:

Appropriate engineering controls: 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.

Individual protection measures, such as personal protective equipment:

Eye and face protection: Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses. Splash proof chemical goggles are recommended to protect against the splash of product.

Skin Protection:

Hand protection: Protective gloves are recommended when prolonged skin contact cannot be avoided.

Other 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. A barrier cream may be used for additional skin protection. To prevent repeated or prolonged skin contact, wear impervious clothing and boots. Gloves should be made of neoprene or natural rubber. Protective gloves and proper clothing should be worn to prevent skin contact.

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. Use a NIOSH approved respirator designed to remove particulate matter and organic solvent vapors.

Thermal Hazards: No data available

Environmental exposure controls: No data available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Safety Data Sheet

Prepared in accordance with Commission Regulation (EU) 2015/830



Stock Number: 100280

Revision Date: 20-06-2017

This document replaces SDS dated: 19-09-2016

Z-Grip

Appearance:	Paste
Colour:	Green Yellow
Odour:	Aromatic
Odour threshold:	No data available
pH:	Neutral
Melting Point/Freezing Point (°F):	
Melting point (°F):	No data available
Freezing point (°F):	No data available
Initial boiling point and boiling range (°C):	145
Flash point (°F):	37.5
Evaporation Rate (water = 1):	Slower than Ethyl Ether
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	
Upper flammable or explosive limit, % in air:	6.1
Lower flammable or explosive limit, % in air:	1.1
Vapour pressure:	No data available
Vapour Density (Air=1):	Heavier than air. Vapours that evolve from this product will tend to settle and accumulate near the floor.
Relative density (water = 1):	1.04
Solubility(ies):	Insoluble
Partition coefficient: n-octanol/water:	Unknown
Auto-ignition temperature (°C):	No data available
Decomposition temperature (°C):	No data available
Viscosity (B-type viscometer @ 60 rpm):	90,000 - 108,000
Explosive properties:	No data available
Oxidizing properties:	No data available
9.2 Other information:	
Volatile Organic Chemicals:	15 – 20 %
VOC (as packaged-less exempts and water):	1.56 lbs/gal or 187 g/L
VOC (as applied*- 2% by wt hardener-less exempts and water):	0.44 lbs/gal or 53 g/L

Safety Data Sheet

Prepared in accordance with Commission Regulation (EU) 2015/830



Stock Number: 100280

Revision Date: 20-06-2017

This document replaces SDS dated: 19-09-2016

Z-Grip

Percent Solids by weight – as packaged (%):	85.9
Percent Solids by weight – as applied* - 2% by wt hardener (%):	94.1
VHAP Content by weight – as packaged (%):	18 %
VHAP Content by weight – as applied* - 2% by weight hardener (%):	5.2 %
Bulk density:	8.7 9.3

SECTION 10: Stability and reactivity

10.1 Reactivity:	Not expected to be reactive
10.2 Chemical stability:	Stable under normal handling conditions
10.3 Possibility of hazardous reactions:	None expected under standard conditions of storage
10.4 Conditions to avoid:	Contamination
10.5 Incompatible materials:	Peroxides, Strong acids, Strong oxidizing agents, Polymerization catalysts
10.6 Hazardous decomposition products:	Carbon dioxide, Carbon monoxide, Styrene oxide, Hydrocarbons

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

Acute toxicity:

Chemical Name	ORAL LD50 (rat)	DERMAL LD50 (rabbit)	INHALATION LC50 (rat)
Styrene	No data available	No data available	INHALATION LC50-4H Rat 11.7 MG/L

Based on available data, the classification criteria are not met.

Skin corrosion/irritation:

pH	Neutral
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Classification is based on pH and the components listed in Section 3.

Serious eye damage/irritation:

pH	Neutral
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Classification is based on pH and the components listed in Section 3.

Safety Data Sheet

Prepared in accordance with Commission Regulation (EU) 2015/830



Stock Number: 100280

Revision Date: 20-06-2017

This document replaces SDS dated: 19-09-2016

Z-Grip

Respiratory or skin sensitisation:

EUH208 - Contains Tetrahydrophthalic anhydride. May produce an allergic reaction.

Classification has been based on toxicological information of the components in Section 3.

Germ cell mutagenicity:

Classification has been based on toxicological information of the components in Section 3.

Carcinogenicity:

Classification has been based on toxicological information of the components in Section 3.

Reproductive toxicity:

Classification has been based on toxicological information of the components in Section 3.

STOT-single exposure:

Classification has been based on toxicological information of the components in Section 3.

STOT-repeated exposure:

Classification has been based on toxicological information of the components in Section 3.

Aspiration hazard:

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity:

Styrene is toxic to aquatic organisms and should not be released to sewage, draining systems or any body of water exceeding concentrations of approved limits under applicable regulations and permits.

Very toxic to aquatic life.

Ecological Toxicity Data:

Chemical Name	CAS #	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
Styrene	100-42-5	48 HR EC50 DAPHNIA MAGNA 3.3 - 7.4 MG/L	96 HR EC50 PSEUDOKIRCHNERIE LLA SUBCAPITATA 0.15 - 3.2 MG/L [STATIC] 72 HR EC50 PSEUDOKIRCHNERIE LLA SUBCAPITATA 0.46 - 4.3 MG/L [STATIC] 96 HR EC50	96 HR LC50 POECILIA RETICULATA 58.75 - 95.32 MG/L [STATIC] 96 HR LC50 PIMEPHALES PROMELAS 6.75 - 14.5 MG/L [STATIC] 96 HR LC50 LEPOMIS

Safety Data Sheet

Prepared in accordance with Commission Regulation (EU) 2015/830



Stock Number: 100280

Revision Date: 20-06-2017

This document replaces SDS dated: 19-09-2016

Z-Grip

			PSEUDOKIRCHNERIE LLA SUBCAPITATA 0.72 MG/L 72 HR EC50 PSEUDOKIRCHNERIE LLA SUBCAPITATA 1.4 MG/L	MACROCHIRUS 19.03 - 33.53 MG/L [STATIC] 96 HR LC50 PIMEPHALES PROMELAS 3.24 - 4.99 MG/L [FLOW- THROUGH]
Talc	14807-96-6	No data available	No data available	96 HR LC50 BRACHYDANIO RERIO > 100 G/L [SEMI-STATIC]

- 12.2 Persistence and degradability: No data
12.3 Bioaccumulative potential: No data available
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

SECTION 13: Disposal considerations

13.1 Waste treatment methods:

- Disposal methods: Spent or discarded material is a hazardous waste.
Waste codes / waste designations according to LoW: 08 01 11 - waste paint and varnish containing organic solvents or other dangerous substances

SECTION 14: Transport information

International carriage of dangerous goods by road (ADR), rail or inland waterways:

- 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

International carriage of dangerous goods by sea (IMDG/IMO):

- 14.1. UN number: UN3269
14.2. UN proper shipping name: POLYESTER RESIN KIT
14.3. Transport hazard class(es): 3

Safety Data Sheet

Prepared in accordance with Commission Regulation (EU) 2015/830



Stock Number: 100280

Revision Date: 20-06-2017

This document replaces SDS dated: 19-09-2016

Z-Grip

14.4. Packing group: III

International carriage of dangerous goods by air (IATA):

- 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
14.5. Environmental hazards: Yes
14.6. Special precautions for user: No data available
14.7 Transport in bulk according to Annex II of MARPOL 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	Yes	No
Talc	Yes	No
Calcium carbonate	Yes	No
Glass enamel	Yes	No
Tetrahydrophthalic anhydride	Yes	No
Ethylene Glycol phenyl ether	Yes	No
Silica, amorphous	Yes	No
Crystalline Silica (Quartz)	Yes	No
Paraffin Wax	Yes	No
Limestone	Yes	No
Diacetone alcohol	Yes	No
Non-Ionic Surfactant	Not listed on the EINECS inventory	No
Zirconium Oxide	Yes	No
Pigment Green 7	Yes	No
Carbon black	Yes	No
Bentonite	Yes	No

Safety Data Sheet

Prepared in accordance with Commission Regulation (EU) 2015/830



Stock Number: 100280

Revision Date: 20-06-2017

This document replaces SDS dated: 19-09-2016

Z-Grip

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: Other information

Revision Date: 20-06-2017

Abbreviations and acronyms: No data available

Key literature references and sources for data: No data available

Hazard phrase(s) referenced in section 3

- H226 - Flammable liquid and vapour
- H302 - Harmful if swallowed
- H304 - May be fatal if swallowed and enters airways
- 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
- H335 - May cause respiratory irritation
- H341 - Suspected of causing genetic defects
- H350 - May cause cancer
- H351 - Suspected of causing cancer
- H360 - May damage fertility or the unborn child
- H361 - Suspected of damaging fertility or the unborn child
- H371 - May cause damage to organs
- H372 - Causes damage to organs through prolonged or repeated exposure
- H400 - Very toxic to aquatic life
- H412 - Harmful to aquatic life with long lasting effects

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, hot surfaces, sparks, open flames and other

Safety Data Sheet

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Stock Number: 100280

Revision Date: 20-06-2017

This document replaces SDS dated: 19-09-2016

Z-Grip

ignition sources. 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.

P264 - Wash with soap and water 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.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P302+P352 - If on skin: Wash with plenty of soap and water.

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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

P308+P311 - IF exposed or concerned: Call a POISON CENTER/doctor.

P321 - Specific treatment (see Sections 4 to 8 on the SDS and any additional information on the label).

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P370+P378 - In case of fire: Use an appropriate extinguisher (see section 5) to extinguish.

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 in accordance with your local disposal company along with national/international regulations.

Disclaimer of Liability:

IMPORTANT: WHILE THE DESCRIPTIONS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU PERFORM AN ASSESSMENT TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES

Safety Data Sheet

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Stock Number: 100280

Revision Date: 20-06-2017

This document replaces SDS dated: 19-09-2016

Z-Grip

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