

Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Identifier

Product Name: ECORE E-Grip III Product Series
Product Code: E-Grip III
Product(s) Covered: See Section 16 for more information

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended Use: Adhesives
Uses Advised Against: No information available

1.3 Details of the Supplier of the Safety Data Sheet

Company Name: ECORE International Inc., 715 Fountain Avenue, Lancaster, PA 17601
 Phone: 1 (800) 322-1923 (Domestic Toll Free)
 Phone: 1 (717) 295-3400 (8:00 a.m. to 5:00 p.m. EST)
 Fax: 1 (717) 295-3414

1.4 Emergency Telephone Number:

Emergency Telephone Telephone: 1-800-227-0332
 Outside U.S. 1-703-527-3887

Section 2. Hazard Identification

2.1 Classification of the Substance or Mixture

Respiratory sensitization	Category 1
Skin sensitization	Category 1
Reproductive Toxicity	Category 1B


2.2 Label Elements

EMERGENCY OVERVIEW

DANGER

Hazard statements

- May cause allergy or asthma symptoms or breathing difficulties if inhaled
- May cause an allergic skin reaction
- May damage fertility or the unborn child



Appearance: Paste
 Physical State: Liquid
 Odor: No information available

Precautionary Statements - Prevention

Obtain special instruction before use

- Do not handle until all safety precautions have been read and understood
- Use personal protective equipment as required
- Avoid breathing dust/fume/gas/mist/vapors/spray
- In case of inadequate ventilation, wear respiratory protection
- Contaminated work clothing should not be allowed out of the workplace
- Wear protective gloves

Precautionary Statements - Response

- IF exposed or concerned; Get medical advice/attention
- Specific treatment (see first aid measures on this label)

- IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CEENTER or doctor/physician.

Precautionary Statements - Storage

- Store locked up.

Precautionary Statements - Disposal

- Dispose of contents/container to an approved waste disposal plant.

Hazards Not Otherwise Classified (HNOC)

- Not applicable

Unknown Toxicity

- 18% of the mixture consists of ingredient(s) of unknown toxicity.

2.3 Other Information

No information available.

Section 3. Composition / Information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical Name	CAS No.	Weight - %
Limestone	1317-65-3	40 - 70
Quartz	14808-60-7	0.1 - 1
Dibutyltin dilaurate	77-58-7	0.1 - 1
Benzenesulfonyl isocyanate, 4-methyl-	4083-64-1	0.1 - 1

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

Section 4. First Aid Measures

4.1 Description of First Aid Measures

Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. If eye irritation persists: Get medical advice/attention.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. May cause sensitization by skin contact. In the case of skin irritation or allergic reactions, see a physician.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. If symptoms persist, call a physician.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Symptom No information available.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

Note to physicians May cause sensitization by inhalation and skin contact. Treat symptomatically.

4.4 Reference to Other Sections

Reference to Other Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION
Section 11: TOXICOLOGY INFORMATION

Section 5. Fire-fighting Measures

5.1 Extinguishing Media

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: CAUTION: Use of water spray when fighting fire may be inefficient.

5.2 Special Hazards Arising from the Substance or Mixture

Specific Hazards Arising from the Chemical: No information available.

Explosion Data

Sensitivity to Mechanical Impact: None.

Sensitivity to Static Discharge: None.

5.3 Advice for Firefighters

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA / NIOSH (approved or equivalent) and full protective gear.

Section 6. Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions: Ensure adequate ventilation, especially in confined areas.

6.2 Environmental Precautions

Environmental: See Section 12 for additional Ecological information.

6.3 Methods and Material for Containment and Cleaning Up

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up: Use personal protective equipment as required. Dam up. Cover liquid spill with sand, earth or other non-combustible absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

6.4 Reference to Other Sections

Reference to Other Sections: Section 7: HANDLING AND STORAGE

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Section 13: DISPOSAL CONSIDERATIONS

7. Handling and Storage

7.1 Precautions for Safe Handling

Advice on Safe Handling: Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for Safe Storage, including and incompatibilities

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Protect from direct contact with water or excessive moisture. Reacts with water.

Incompatible Materials: Water.

7.3 Specific End Use(s)

Other Information: No information available.

7.4 References to Other Sections

Reference to Other Sections: Section 13: DISPOSAL CONSIDERATIONS

Section 10: STABILITY AND REACTIVITY

SECTION 8. Exposure Controls / Personal Protection

8.1 Control Parameters

Exposure Guidelines As Quartz (CAS# 14808-60-7) is inextricably bound in the polymer matrix, it is not expected to be available as an airborne hazard (dust, mist, or spray) under normal conditions of use. As Limestone (CAS# 1317-65-3) is inextricably bound in the polymer matrix, it is not expected to be available as an airborne hazard (dust, mist or spray) under normal conditions of use.

Chemical Name	ACFIH TLV	NIOSH IDLH	OSHA PEL
Limestone (1317-65-3)	-	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust	TWA: 15 mg/m ³ total dust STEL: 20 mg/m ³ respirable
Quartz (14808-60-7)	TWA: 0.025 mg/m ³ respirable fraction	IDLH: 50 mg/m ³ respirable dust TWA: 5 mg/m ³ respirable dust	: (30/(%SiO ₂ + 2) mg/m ³ TWA total dust : (250/(%SiO ₂ + 5) TWA respirable fraction : (10/(%SiO ₂ + 2) mg/m ³ TWA respirable fraction
Dibutyltin dilaurate (77-58-7)	TWA: 0.1 mg/m ³ Sn S* STEL: 20 mg/m ³ Sn	IDHL: 25 mg/m ³ Sn TWA: 0.1 mg/m ³ except Cyhexatin Sn	TWA: 0.1 mg/m ³ Sn

8.2 Exposure Controls

Engineering Controls Showers, Eyewash stations, Ventilation systems.

Personal Protective Equipment (PPE)

- Eye / Face Protection** Wear safety glasses with side shields (or goggles).
- Skin / Body Protection** Wear suitable chemical resistant gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers.
- Respiratory Protection** If exposure limits are exceeded or irritation is experienced, NIOSH / MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
- General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Physical State	Liquid
Appearance	Paste
Color	Grey
Odor	No information available
Odor Threshold	No information available
Property	<u>Values</u>
pH	No information available
Melting Point / Freezing	No information available
Boiling Point	No information available
Flash Point	260°C / 500°F
Evaporation Rate	No information available
Flammability (solid, gas)	No information available

Remarks * Method

Flammability Limit in Air

Upper Flammability Limit No information available
Lower Flammability Limit No information available
Vapor Pressure No information available
Vapor Density No information available
Specific Gravity No information available
Water Solubility No information available
Solubility in Other
Partition Coefficient No information available

Autoignition Temperature No information available
Decomposition Temperature No information available
Kinematic Viscosity No information available
Dynamic Viscosity No information available
Explosive Properties No information available
Oxidizing Properties No information available

9.2 Other Information

Softening Point No information available
Molecular Weight No information available
Solvent Content (%) No information available
Solid Content (%) 100
Density 1.650 g/cm³
VOC < 0.1%

10. Stability and Reactivity

10.1 Reactivity

None under normal use conditions.

10.2 Chemical Stability

Stable under recommended storage conditions.

10.3 Possibility of Hazardous Reactions

None under normal processing.

10.4 Conditions to Avoid

Extremes of temperature and direct sunlight. Keep from any possible contact with water. Reacts with water.

10.5 Incompatible Materials

Water.

10.6 Hazardous Decomposition Products

None known based on information supplied.

11. Toxicological information

11.1 Information on Toxicological Effects

Product Information No Data Available.
Inhalation No Data Available.
Eye Contact No Data Available.
Skin Contact No Data Available.
Ingestion No Data Available.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Limestone (1317-65-3)	> 5000 mg/kg (rat)	-	-
Quartz (14808-60-7)	> 2000 mg/kg (rat)	-	-
Dibutyltin dilaurate (77-58-7)	= 2071 mg/kg (rat)	> 2000 mg/kg (rat)	-
Benzenesulfonyl isocyanate, 4-methyl- (4083-64-1)	= 2234 mg/kg (rat)	-	> 640 ppm (rat) 1 h

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Symptoms No information available.

Skin Corrosion / Irritation No information available.

Serious Eye Damage / Eye Irritation No information available.

Irritation No information available.

Corrosivity No information available.

Sensitization No information available.

Germ Cell Mutagenicity No information available.

Reproductive Toxicity No information available.

Developmental Toxicity No information available.

Teratogenicity No information available.

STOT - Single Exposure No information available.

STOT - Repeated Exposure No information available.

Chronic Toxicity No information available.

Target Organ Effects Eyes, Respiratory System, Skin

Aspiration Hazard No information available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen. As Quartz (14808-60-7) is inextricably bound in the polymer matrix, it is not expected to be available as an airborne hazard (dust, mist, or spray) under normal conditions of use.

The table below indicates whether each agency has listed any ingredient as a carcinogen. As Quartz (14808-60-7) is inextricably bound in the polymer matrix, it is not expected to be available as an airborne hazard (dust, mist, or spray) under normal conditions of use.

Chemical Name	ACGIH	IARC	NTP	OSHA
Quartz (14808-60-7)	A2 - Suspected Human Carcinogen	Group 1 - Carcinogenic to Humans	Known - Known Carcinogen	X - Present

ACGIH (American Conference of Governmental Industrial Hygienists)

IARC (International Agency for Research on Cancer)

NTP (National Toxicology Program)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

12. Ecological Information

12.1 Toxicity

12.2 Chemical Name	Algae / Aquatic Plants	Fish	Toxicity to Micro-organisms	Crustacea
Quartz (14808-60-7)	CE50 (72h) > 200 mg/L Algae (Desmodesmus subspicatus)	CL50 (96h) > 10,000mg/L Fish (Oncorhynchus mykiss)		CE50 (48h) > 1000 mg/L (Daphnia Magna)
Dibutyltin dilaurate (77-58-74)		LC50 (48h) = 2 mg/L (Oryzias latipes)		

No information available.

12.3 Bioaccumulative Potential

No information available.

12.4 Mobility in Soil

No information available.

12.5 Other adverse effects

No information available.

13. Disposal Considerations

13.1 Waste Treatment Methods

Disposal of Wastes It is the responsibility of the waste generator to determine the toxicity and physical properties of the material

Contaminated Packaging Dispose of in accordance with federal, state and local regulations.

14. Transport Information

DOT Not regulated.

IATA Not regulated.

IMDG Not regulated.

15. Regulatory information

Global Inventories

TSCA	Listed
DSL	Listed

Legend:

TSCA United States Toxic Substances Control Act Section 8(b) Inventory

DSL Canadian Domestic Substances List

Listed The components of this product are either listed or exempt from listing on inventory.

Not Listed One or more components of this product are not listed on inventory.

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the

WHMIS Hazard Class D2A - Very toxic materials

United States of America



SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals

SARA 311/312 Hazard Categories

- Acute Health Hazard** Yes
- Chronic Health Hazard** Yes
- Fire Hazard** No
- Sudden release of pressure hazard** No

California Proposition 65

This product contains one or more of the substances listed on Proposition 65 at or above 0.01 wt. %.

Chemical Name	CAS No.
Quartz	14808-60-7
N-(trichloromethylthio) phthalimide	133-07-3
Carbon black	1333-86-4

Europe

Restrictions of Use of Hazardous Substances (RoHS) Directive 2011/65/EU

Polybrominated biphenyls (PBB), and Polybrominated diphenyl ethers (PBDE) above the regulated limit mentioned in this regulation

EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Section 16. Other Information

Product(s) Covered

- A74410** - DCVP PL Ecore E-Grip III 24/10.1
- A74411** - DCVP PL Ecore E-Grip III 4G
- A74412** - DCVP PL Ecore E-Grip III 2G

HMIS

- Health Hazards** 2*
- Flammability** 1
- Physical Hazards** 0
- Personal Protection** X

Key or Legend to Abbreviations and Acronyms Used in the Safety Data Sheet

No information available.

Key Literature References and Sources for Data

No information available.

- Prepared by** WWelch
- Revision Date** 18-May-16
- Revision Note** Not applicable
- Training Advice** No information available
- Additional Information** No information available

Disclaimer

E-Grip III is a private label brand manufactured exclusively for Ecore International. All information is provided through our contracted manufacture partners. The information provided in the Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

***** End of Safety Data Sheet *****