



23 Admiral Place, Guelph, ON N1G 4N4
37020 Amrhein Road, Livonia, MI 48150
Phone: 1.800.265.8350
www.eckelsandcompany.com

Dry Seal

SDS Revision Date: Nov. 12, 2015

SAFETY DATA SHEET

This safety data sheet complies with all requirements of GHS 5^e 2013

SECTION 1: IDENTIFICATION

Product Identifier:	Dry Seal
CAS Number:	Not applicable – refer to Section 3 for details on ingredients
Annex VI Index Number:	Not applicable – refer to Section 3 for details on ingredients
Product Identifier Code:	5-026
Identified Uses of Product:	Incision and Leak Sealant Powder

Details of Supplier:

H.S. ECKELS & COMPANY (CANADA) LTD.

23 ADMIRAL PLACE
GUELPH, ONTARIO
N1G 4N4
(519) 824-8020

Emergency Telephone Number (613) 996-6666 (Canutec)

SECTION 2: HAZARD IDENTIFICATION

Classification of Mixture

Off White. Granular Powder. No odour.

Label Elements:

Signal Words

Warning.

Hazard Statements

None

Precautionary Statements – Prevention

P261: Avoid breathing dust.
P264: Wash contacted areas thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves, protective clothing and eye or face protection.

Precautionary Statements - Response

P304+P314: IF INHALED: Get medical advice/attention if you feel unwell.
P305+P351+P338: IF IN EYES: Rinse continuously with water. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Seek medical attention.



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Precautionary Statements - Storage

None

Precautionary Statements - Disposal

P501: Review federal, provincial or state, and local government requirements prior to disposal. For large quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.

Hazard Symbols



Exclamation Mark

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Table 3.1: Ingredients of Mixture

Chemical Name	CAS Number	EC Number	Concentration %
Silicon Dioxide	14808-60-7	231-545-4	80

SECTION 4: FIRST-AID MEASURES

Necessary First-Aid Measures upon:

Inhalation	Remove source of contamination or move victim to fresh air. Obtain medical attention if victim feels unwell.
Eye Contact	Flush eyes with lukewarm warm water, holding the eye lids open. If irritation persists, obtain medical attention.
Skin Contact	Wash skin with soap and water.
Ingestion	No adverse health effects are expected.

Most Important Effects

Inhalation can cause irritation to the respiratory tract. Prolonged or repeated overexposure may cause severe respiratory problems.
 Repeated or prolonged contact may cause skin irritation.
 Contact causes eye irritation.



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Most Important Symptoms

Immediate	Irritation of effected area
Delayed	No delayed symptoms are expected.

Additional Information

Clinical Testing	No definitive clinical test data was found for Silicon dioxide. See Section 1 for details.
Medical Monitoring	Treat symptomatically. Medical attention may be required.
Antidotes	No antidotes have been listed for this mixture.
Contraindications	No contraindications have been listed for this mixture.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Not Flammable.

Specific Hazards arising for Combustion of the Product

Not Flammable.

Special Protective Actions for Fire-Fighters

Wear self-contained breathing apparatus and complete personal protective equipment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions	Good hygienic practices.
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Protective Equipment

Respiratory protection:	Dust mask or N95 respirator should be worn.
Protective Gloves:	Neoprene rubber or latex should be worn.
Eye Protection:	Chemical safety goggles should be worn to prevent eye contact.
Other Protective equipment:	None required.
Emergency Procedures	Ventilate area using local exhaust ventilation to control dust.
Environmental Cautions	This product is not expected to be harmful to aquatic life. Please refer to Section 12 for complete ecological effects.

If large amounts are spilled please notify your local environmental agency.

Methods and Materials for:

Containment	Do not allow product to escape in to drains or waterways.
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Clean Up

Review federal, provincial or state, and local government requirements prior to disposal. For large quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service. Please refer to Section 13 for complete disposal procedures.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Specific

Avoid contact with eyes, skin and clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Please refer to Section 6 for details on appropriate PPE.

General Hygiene Considerations

Eating, drinking, smoking and applying cosmetics in work areas is prohibited.
 Remove all contaminated clothing and PPE before entering eating areas.

Precautions for Safe Storage

Store in a ventilated area.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Table 8.1: Exposure Limits

Chemical Name	TLV-C	TLV-TWA	TLV-STEL
Silicon Dioxide	10mg/m ³	6mg/m ³	80mg/m ³

Exposure Controls

Keep container tightly closed. Do not handle until all safety precautions have been read and understood. Ensure all personnel wear appropriate PPE at all times when handling this product. Contaminated work clothing should not be allowed out of the workplace.

Engineered Protection Measures

Use local exhaust ventilators to control airborne dust.

Individual Protection Measures

General hygiene measures and appropriate PPE should be used in conjunction with the afore mentioned engineered measures of protection. Also see Section 5 for additional protection measures in case of fire.

Eye/Face Protection

Chemical safety goggles should be worn to prevent eye contact.



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Skin Protection	Neoprene rubber or latex gloves should be worn to prevent skin contact.
Respiratory Protection	In case of dust formation wear dust mask.
Thermal Hazards	This mixture does not present a thermal hazard under normal use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Physical and Chemical Properties of Mixture

Appearance	Off white, granular powder.
Odour	No odour
Odour Threshold	Not Available
pH	Not Available
Melting/Freezing Point	Not Available
Boiling Point and Range	Not Available
Flash Point	Not Available
Evaporation Rate (BuAe=1)	Not Available
Flammability (Solid, Gas)	Not Available
Upper Explosive Limit	Not Available
Lower Explosive Limit	Not Available
Vapour Pressure	Not Available
Vapour Density (air=1)	Not Available
Relative Density	Not Available
Solubility	Insoluble
Partition Coefficient: n-octanol/water	Not Available
Auto-Ignition Temp	Not Available
Decomposition Temp	Not Available
Viscosity	Not Available

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Not normally reactive
Chemical Stability	Stable
Possibility of Hazardous Reactions	Hazardous polymerization does not occur.
Conditions to Avoid	There are no specific conditions to avoid during normal use of this product.
Incompatibility Materials	Hydrofluoric acid. Strong alkalis
Hazardous Decomposition Products	None listed.

SECTION 11 : TOXICOLOGICAL INFORMATION



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Toxicological Data of Ingredients

Acute Toxicity	Not classified as a Toxic.
Skin Corrosion/Irritation	Not classified as a Skin Irritant.
Serious Eye Damage/Irritation	Not classified as an Eye Irritant.
Respiratory or Skin Sensitization	Not classified as a Skin Sensitizer.
Germ Cell Mutagenicity	Not classified as a germ cell mutagenic hazard.
Carcinogenicity	Not classified as a Carcinogen.
Reproductive Toxicity	Not classified as a reproductive hazard.
STOT – Single Exposure	Not classified as a hazard for target organ toxicity in a single exposure.
STOT – Repeated Exposure	Not classified as a hazard for target organ toxicity in repeated exposure.
Aspiration Hazard	Not classified as an aspiration hazard.
Routes of Exposure	Eye Contact, Inhalation of dust
Effects of Acute Exposure via:	
Inhalation/Aspiration	Inhalation of dust may cause respiratory irritation.
Eye Contact	Contact may cause eye irritation.

Table 11.1: Toxicity Data for Hazardous Ingredients

Chemical Name	LC ₅₀ (Rat.lhl)	LD ₅₀ (Rat.oral)	LD ₅₀ (Rbt.skin)
Sodium Dioxide	N/A	>10,000mg/kg	N/A

Interactive Effects No interactive effects are listed for this mixture.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicological Properties



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Acute Aquatic Toxicity	This product is classified as not toxic to aquatic life according to GHS regulations.
Chronic Aquatic Toxicity	This product is classified as not toxic to aquatic life according to GHS regulations.
Persistence and Degradability	Biodegradable information not available.
Bioaccumulative Potential	This product is not considered to be bioaccumulative.
Mobility in Soil	This product is considered to have low soil mobility.
Other Adverse Effects	No other effects are listed for this product.

SECTION 13: DISPOSAL CONSIDERATIONS

Please refer to Sections 7 and 8 for proper storage, handling and personal protective measures.

Disposal Containers and Methods

Product Disposal	Avoid disposal of this product via sewage systems. Review federal, provincial or state, and local government requirements prior to disposal. Disposal by controlled incineration or by secure land fill may be acceptable.
Container Disposal	Empty containers may contain hazardous residue. Return to supplier for reuse if possible. If disposing of containers, ensure they are well rinsed with water, then disposed of at an authorised landfill. After cleaning, all existing labels should be removed.

Properties affecting Disposal Options

No additional properties are listed.

Special Precautions for Incinerators or Landfills

No special precautions for incinerators or landfills are listed for this product. See Section 12 for complete ecological information.

SECTION 14: TRANSPORT INFORMATION

This substance is not regulated under the TDG, DOT or the GHS.

SECTION 15: REGULATORY INFORMATION

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).



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This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.

US Federal Information:

TSCA: All listed ingredients appear on the TSCA inventory.

ECPRA (SARA TITLE III):

Section 302, Extremely Hazardous Substances, 40 CFR 355: This product contains no Extremely Hazardous Substances under SARA Section 302.

Section 313, Toxic Chemicals Notification, 40 CFR 372: This product contains no Toxic Chemical constituents above their de minimus concentrations.

US State Right to Know Laws:

California Proposition 65: This product contains no listed chemicals.

Other U.S. State "Right to Know" Lists

No chemicals in this product are specifically listed by individual States.

SECTION 16: OTHER INFORMATION

The OSHA Hazard Communication Standard (HCS) is now aligned with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

The WHMIS 2015, including the Hazardous Products Act (HPA) and Hazardous Products Regulations (HPR), is aligned with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

Legend of Abbreviations

GHS – Globally Harmonized System of Classification and Labelling of Chemicals

SDS – Safety Data Sheet

OECD – The Organisation for Economic Co-operation and Development

CAS – Chemical Abstract Service

EC – European Commission

TLV – Threshold Limit Value

TLV-C – Threshold Limit Value – Ceiling Limit

TWA – Time Weighted Average

STEL – Short-term Exposure Limits

ACGIH – American Conference of Governmental Industrial Hygienists 1993-1994

OSHA – Occupational Safety and Health Administration

STOT – Specific Target Organ Toxicity

LC – Lethal Concentration

LD – Lethal Dose



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Ihl - Inhalation

Rbt - Rabbit

UN – United Nations

TDG – Recommendations on the Transport of Dangerous Goods, published by the UN

PPE – Personal Protective Equipment

NIOSH - The National Institute for Occupational Safety and Health

IARC – International Agency for Research on Cancer

WHMIS – Workplace Hazardous Materials Information System

PAN – Pesticide Action Network

USGS – United States Geological Survey

CPR – Canadian Controlled Products Regulations

ECPPRA - Emergency Planning and Community Right-to-Know Act

CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act

TSCA – Toxic Substances Control Act

SARA – Superfund Amendments and Reauthorization Act

DOT – U.S. Department of Transportation

HCS – Hazard Communication Standard

Prepared By:

H.S. ECKELS & COMPANY (CANADA) LTD.

23 ADMIRAL PLACE

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This Safety Data Sheet was prepared by H.S. Eckels & Company (Canada) Ltd using information provided by the Globally Harmonized System of Classification and Labelling Chemicals – Fifth Revised Edition 2013.

The information in the Safety Data Sheet is put forth to guide persons in safe conduct when exposed to Dry Seal.

H.S. Eckels & Company (Canada) Ltd expressly disclaims all explicit or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein.

The data in this SDS does not apply to the exposure in any other process than those mentioned in Section 1. The data in this SDS does not apply to the exposure to any product other than Dry Seal.

This Safety Data Sheet may not be changed, or altered in any way without the expressed permission of H.S. Eckels & Company (Canada) Ltd.

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