



Feather-Dri

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Date of issue: 07/30/2015 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Substance
Trade name : Feather-Dri
Other means of identification : Silane, dichlorodimethyl, reaction products with silica

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

Use of the substance/mixture : Make natural feather impervious

1.3. Details of the supplier of the safety data sheet

Manufacturer:
Bohning Company Ltd.
7361 North Seven Mile Road
Lake City, MI 49651
Tel: 231-229-4247

1.4. Emergency telephone number

Emergency number : HAZMAT +1-800-373-7542 (24 hours)
HAZMAT (International Shipments) +1-484-951-2432 (24 hours)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Not classified

2.2. Label elements

GHS-US labelling

No labelling applicable

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Substance type : Mono-constituent
Name : Feather-Dri

Name	Product identifier	%	GHS-US classification
Silane, dichlorodimethyl-, reaction products with silica	(CAS No) 68611-44-9	100	Not classified

3.2. Mixture

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation : Allow breathing of fresh air. Allow the victim to rest. In all cases of doubt, or when symptoms persist, seek medical advice.
First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact : If easy to do, remove contact lenses, if worn. (for at least 15 minutes). Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use. If user operations generate dust or fumes: May cause irritation to the skin and eyes. May cause respiratory irritation. Pre-existing eye and respiratory disorders may be aggravated by exposure. May aggravate asthma and dermatitis.
Symptoms/injuries after inhalation : Inhalation of dust may cause irritation of the respiratory system.

Feather-Dri

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Symptoms/injuries after skin contact : Dust from this product may cause skin irritation. Repeated exposure may cause skin dryness or cracking.

Symptoms/injuries after eye contact : Dust from this product may cause eyes irritation.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire. Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Control airborne concentrations below the exposure limits. Avoid inhalation of product. Spilled material may present a slipping hazard. Wear suitable protective clothing and eye/face protection.

6.1.1. For non-emergency personnel

Protective equipment : Refer to section 8. Wear suitable protective clothing, gloves and eye/face protection.

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection. Avoid breathing powdered dust. Wear suitable protective clothing.

Emergency procedures : Ventilate area. Avoid raising powdered materials into airborne dust.

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials. Avoid raising powdered materials into airborne dust.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Avoid raising powdered materials into airborne dust. Avoid inhalation of product. Avoid breathing dust.

Hygiene measures : Always wash hands and face immediately after handling this product, and once again before leaving the workplace. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practices.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool well ventilated place. Keep container closed when not in use.

Incompatible materials : Strong acid. Strong bases. Strong oxidizing agent.

Storage area : Store in dry, cool, well-ventilated area.

Special rules on packaging : Correctly labelled. Store in a closed container. Keep container tightly closed.

Feather-Dri

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Feather-Dri		
OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³ (dust)

8.2. Exposure controls

Appropriate engineering controls : Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment : The following pictograms represent the minimum requirements for personal protective equipment. Avoid all unnecessary exposure. Gloves. Protective goggles. Protective clothing. Dust formation: dust mask.



Hand protection : Wear protective gloves.
Eye protection : Chemical goggles or safety glasses.
Skin and body protection : Long sleeved protective clothing. Safety foot-wear. Wear personal protection equipment.
Respiratory protection : Wear appropriate mask.
Environmental exposure controls : Avoid release to the environment.
Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid
Appearance : Powder.
Color : white
Odor : Odorless
Odor threshold : No data available
pH : 3.7 - 5.5 40 g/L Medium: water/methanol
1:1 suspension
Melting point : No data available
Freezing point : No data available
Boiling point : No data available
Flash point : No data available
Relative evaporation rate (butyl acetate=1) : No data available
Flammability (solid, gas) : No data available
Explosive limits : No data available
Explosive properties : No data available
Oxidizing properties : No data available
Vapor pressure : No data available
Relative density : No data available
Relative vapor density at 20 °C : No data available
Density : 2 g/cm³ (20 °C)
Solubility : Insoluble in water.
Log Pow : No data available
Auto-ignition temperature : > 400 °C (752 °F)
Decomposition temperature : No data available
Viscosity : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available

9.2. Other information

No additional information available

Feather-Dri

Safety Data Sheet

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SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. With temperatures > 300 °C (572 °F), hydrophobicity is lost.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide. Silicon dioxide. Formaldehyde.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Likely routes of exposure	: Ingestion; Inhalation; Skin and eye contact
Acute toxicity	: Not classified Based on available data, the classification criteria are not met
Skin corrosion/irritation	: Not classified Based on available data, the classification criteria are not met pH: 3.7 - 5.5 40 g/L Medium: water/methanol 1:1 suspension
Serious eye damage/irritation	: Not classified Based on available data, the classification criteria are not met pH: 3.7 - 5.5 40 g/L Medium: water/methanol 1:1 suspension
Respiratory or skin sensitization	: Not classified Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (repeated exposure)	: Not classified Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified Based on available data, the classification criteria are not met
Potential Adverse human health effects and symptoms	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/injuries after inhalation	: Inhalation of dust may cause irritation of the respiratory system.
Symptoms/injuries after skin contact	: Dust from this product may cause skin irritation. Repeated exposure may cause skin dryness or cracking.
Symptoms/injuries after eye contact	: Dust from this product may cause eyes irritation.

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

Feather-Dri

Persistence and degradability	Not established.
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Feather-Dri

Safety Data Sheet

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12.3. Bioaccumulative potential

Feather-Dri

Bioaccumulative potential	Not established.
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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on the global warming : No additional information available

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. It is the responsibility of the user to determine if disposal material is hazardous according to federal, state and local regulations.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated for transport

TDG

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

Silane, dichlorodimethyl-, reaction products with silica (68611-44-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

Silane, dichlorodimethyl-, reaction products with silica (68611-44-9)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Silane, dichlorodimethyl-, reaction products with silica (68611-44-9)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on Turkish inventory of chemical

15.3. US State regulations

No additional information available

SECTION 16: Other information

Other information : None.

SDS US (GHS HazCom 2012)

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