



# X-CCELERATOR WAX

## Safety Data Sheet

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products

Date of issue: 05/22/2013

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Version: 1.0

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : X-CCELERATOR WAX  
Other means of identification : Wax

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

Use of the substance/mixture : Bowstring wax

#### 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: Hazards identification

#### 2.1. Classification of the substance or mixture

GHS-US classification

Not classified

WHMIS Classification

#### 2.2. Label elements

other hazards which do not result in classification : If user operations generate dust or fumes, . dust or fumes may cause irritation of the eyes, skin and respiratory tract.  
. Prolonged or repeated contact with the skin may cause dermatitis. Provide adequate protection in areas where molten material is possible to emerge. Vapors from molten wax may cause irritation and tearing.

#### 2.4. Unknown acute toxicity (GHS US)

No data available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixture

Name	Product identifier	%	GHS-US classification
Petrolatum	(CAS No) 8009-03-8	45 - 68	Not classified
Paraffin waxes and Hydrocarbon waxes	(CAS No) 8002-74-2	25 - 45	Not classified
Microcrystalline wax	(CAS No) 63231-60-7	6 - 15	Not classified
Stearic acid	(CAS No) 57-11-4	1 - 5	Not classified

#### Stearic acid (57-11-4)

WHMIS Classification | Uncontrolled product according to WHMIS classification criteria

#### Paraffin waxes and Hydrocarbon waxes (8002-74-2)

WHMIS Classification | Uncontrolled product according to WHMIS classification criteria

#### Petrolatum (8009-03-8)

WHMIS Classification | Uncontrolled product according to WHMIS classification criteria

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### 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. Get medical advice/attention if you feel unwell.
- First-aid measures after inhalation : Assure fresh air breathing. 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. Risk of thermal burns on contact with molten product. After contact with molten product, cool skin area rapidly with cold water.
- First-aid measures after eye contact : If easy to do, remove contact lenses, if worn. In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
- 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 : If user operations generate dust or fumes, . Can occur: eye irritation, irritation of mucous membranes and skin irritation. Irritating to the nose, throat, and respiratory tract. prolonged exposure. May cause cancer.
- Symptoms/injuries after inhalation : Inhalation of dust may cause irritation of the respiratory system.
- Symptoms/injuries after skin contact : If user operations generate dust or fumes, . Repeated exposure may cause skin dryness or cracking. Causes skin irritation.
- Symptoms/injuries after eye contact : If user operations generate dust or fumes, . Causes eye irritation. redness, itching, tears. Direct contact with the eyes is likely to be irritating.
- Symptoms/injuries after ingestion : Harmful if swallowed. May cause irritation in mouth, gullet and stomach.

#### 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. For large fires use foam or water fog.
- 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. Avoid (reject) fire-fighting water to enter environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection. In the event of a fire, wear a self-contained breathing apparatus (SCBA).
- Other information : Fumes may be irritating.

### 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. Vapors from molten wax may cause irritation and tearing. Provide adequate protection in areas where molten material is possible to emerge.

##### 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.

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### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Contain and/or absorb spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. On land, sweep or shovel into suitable containers. Scoop absorbed substance into closing containers. Minimize generation of dust. Store away from other materials.

### 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 adequate ventilation. Avoid raising powdered materials into airborne dust. Avoid inhalation of product. Avoid contact with the skin and the eyes. If user operations generate dust or fumes, . Avoid breathing (dust, vapor, mist, gas).

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

Technical measures : Ensure adequate ventilation. Remove all sources of ignition.

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. Remove all sources of ignition.

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

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Paraffin waxes and Hydrocarbon waxes (8002-74-2)		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Alberta	OEL TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
British Columbia	OEL TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Manitoba	OEL TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
New Brunswick	OEL TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
New Foundland & Labrador	OEL TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Nova Scotia	OEL TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Nunavut	OEL STEL (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup>
Nunavut	OEL TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Northwest Territories	OEL STEL (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup>
Northwest Territories	OEL TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Ontario	OEL TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Prince Edward Island	OEL TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Québec	VEMP (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Saskatchewan	OEL STEL (mg/m <sup>3</sup> )	4 mg/m <sup>3</sup>
Saskatchewan	OEL TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Yukon	OEL STEL (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup>
Yukon	OEL TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>

### 8.2. Exposure controls

Appropriate engineering controls : Provide adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present. Facilities: shower, eye shower.

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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 : Nitrile-rubber protective gloves.  
Eye protection : Chemical goggles or safety glasses. with side-shields. Face-shield.  
Skin and body protection : Long sleeved protective clothing. Rubber apron, boots. Wear personal protection equipment.  
Respiratory protection : Wear appropriate mask. Use appropriate respiratory protection. Wear suitable respiratory equipment.  
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 : white. wax.  
Colour : white.  
odour : Light odour of petroleum.  
Odour threshold : No data available  
pH : No data available  
Relative evaporation rate (butylacetate=1) : No data available  
Melting point : 51.7 - 57.2 °C (125.06 - 134.98 °F)  
Freezing point : No data available  
Boiling point : No data available  
Flash point : No data available  
Self ignition temperature : No data available  
Decomposition temperature : No data available  
Flammability (solid, gas) : No data available  
Vapour pressure : No data available  
Relative vapour density at 20 °C : No data available  
Relative density : No data available  
Density : < 1 Specific gravity (H2O=1): 0.885/0.984  
Solubility : Miscible.  
Log Pow : No data available  
Log Kow : No data available  
Viscosity, kinematic : No data available  
Viscosity, dynamic : No data available  
Explosive properties : No data available  
Oxidising properties : No data available  
Explosive limits : No data available

### 9.2. Other information

No additional information available

## 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.

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### 10.5. Incompatible materials

strong acids. Strong bases. Strong oxidizing agents. Strong reducing agents.

### 10.6. Hazardous decomposition products

fume. Silicon dioxide. Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

Microcrystalline wax (63231-60-7)	
LD50 oral rat	10000 mg/kg
LD50 dermal rabbit	> 3600 mg/kg
ATE (oral)	10000.000 mg/kg bodyweight

Paraffin waxes and Hydrocarbon waxes (8002-74-2)	
LD50 oral rat	> 3750 mg/kg
LD50 dermal rabbit	> 3600 mg/kg

Petrolatum (8009-03-8)	
LD50 dermal rabbit	3600 mg/kg
ATE (dermal)	3600.000 mg/kg bodyweight
Skin corrosion/irritation	Not classified

Serious eye damage/irritation : Not classified  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified Based on available data, the classification criteria are not met  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified Based on available data, the classification criteria are not met  
Specific target organ toxicity (single exposure) : Not classified

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 : Based on available data, the classification criteria are not met.  
Symptoms/injuries after inhalation : Inhalation of dust may cause irritation of the respiratory system.  
Symptoms/injuries after skin contact : If user operations generate dust or fumes, . Repeated exposure may cause skin dryness or cracking. Causes skin irritation.  
Symptoms/injuries after eye contact : If user operations generate dust or fumes, . Causes eye irritation. redness, itching, tears. Direct contact with the eyes is likely to be irritating.  
Symptoms/injuries after ingestion : Harmful if swallowed. May cause irritation in mouth, gullet and stomach.

## SECTION 12: Ecological information

### 12.1. Toxicity

No additional information available

### 12.2. Persistence and degradability

X-CCELERATOR WAX	
Persistence and degradability	Not established.

### 12.3. Bioaccumulative potential

X-CCELERATOR WAX	
Bioaccumulative potential	Not established.

Microcrystalline wax (63231-60-7)	
Log Pow	> 6

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Other information : Avoid release to the environment.

# X-CCELERATOR WAX

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### 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.
- Additional information : Bohning encourages the recycle, recovery and reuse of materials, where permitted, as an alternate to disposal as a waste. Bohning recommends that organic materials classified as RCRA hazardous waste be disposed of by thermal treatment or incineration at an EPA approved facilities. Bohning has proved the foregoing for information only; the person generating the waste is responsible for determining the waste classification and disposal method. This information of RCRA waste classification and disposal methodology provided below applies only to the BOHNING Products, as supplied. If the material has been altered on contaminated, or it has exceeded its recommended shelf life, the guidance may be inapplicable. Hazardous waste classification under federal regulations (40 CFR part 261 et seq.) is dependent upon whether a material is a RCRA listed hazardous waste or has any of the four RCRA hazardous waste characteristics Refer to 40 CFR Part 261.33 to determine if a given material to be disposed of is a RCRA listed hazardous waste, information contained in Section 15 of this MSDS is not intended to indicated if the product is a listed hazardous waste. RCRA Hazardous Waste have four characteristics defined in 40 CFR Section 261.21-61.24: Ignitability, Corrosivity, Reactivity, and Toxicity. To determine Ignitability, see Section 5 of this MSDS (Flash Point). For Corrosivity, see Section 9 and 14 (pH and DOT Corrosivity). For Reactivity, see Section 10 (incompatible materials). For Toxicity, see Section 3 and 12 (Composition, Ecological Hazards). Federal regulations are subject to change. State and local requirements, which may differ from or be more stringent than the federal regulations, may also apply to the classification of the material if it is to be disposed. Bohning encourages the recycle, recovery and reuse of materials, where permitted, as an alternate to disposal as a waste. Bohning recommends that organic materials classified as RCRA hazardous wastes be disposed of by thermal treatment or incineration at an EPA approved facilities. Bohning has proved the foregoing for information only; the person generating the waste is responsible for determining the waste classification and disposal method.
- Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

#### 14.1. UN number

Not applicable

#### 14.2. UN proper shipping name

Not applicable

#### 14.2 Additional information

- Other information : Overseas:  
Packaging Group: PG III  
Domestic Shipments: Consumer Commodity, reclass to ORM-D. All components of this product are included on the TSCA Chemical inventory in compliance with the Toxic Substances Control Act, 15 U.S.C. 2601 et. Seq.

#### Overland transport

No additional information available

#### Transport by sea

No additional information available

#### Air transport

No additional information available

### SECTION 15: Regulatory information

#### CANADA

##### Stearic acid (57-11-4)

Listed on the Canadian DSL (Domestic Substances List) inventory.

WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
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##### Microcrystalline wax (63231-60-7)

Listed on the Canadian DSL (Domestic Substances List) inventory.

# X-CCELERATOR WAX

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### Paraffin waxes and Hydrocarbon waxes (8002-74-2)

Listed on the Canadian DSL (Domestic Substances List) inventory.

WHMIS Classification Uncontrolled product according to WHMIS classification criteria

### Petrolatum (8009-03-8)

Listed on the Canadian DSL (Domestic Substances List) inventory.

WHMIS Classification Uncontrolled product according to WHMIS classification criteria

## 15.2. International regulations

### Stearic acid (57-11-4)

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

### Microcrystalline wax (63231-60-7)

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

### Paraffin waxes and Hydrocarbon waxes (8002-74-2)

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

### Petrolatum (8009-03-8)

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

## EU-Regulations

### Stearic acid (57-11-4)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

### Microcrystalline wax (63231-60-7)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

Listed on European List of Notified Chemical Substances (ELINCS)

### Paraffin waxes and Hydrocarbon waxes (8002-74-2)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

### Petrolatum (8009-03-8)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

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

## Classification according to Directive 67/548/EEC or 1999/45/EC

Carc.Cat.1; R45

Full text of R-phrases: see section 16

### 15.2.2. National regulations

#### Stearic acid (57-11-4)

Listed on the AICS (the Australian Inventory of Chemical Substances)  
Listed on Inventory of Existing Chemical Substances (IECSC)  
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.  
Listed on the Korean ECL (Existing Chemical List) inventory.  
Listed on New Zealand - Inventory of Chemicals (NZIoC)  
Listed on Inventory of Chemicals and Chemical Substances (PICCS)  
Listed on the Canadian Ingredient Disclosure List

#### Microcrystalline wax (63231-60-7)

Listed on the AICS (the Australian Inventory of Chemical Substances)  
Listed on Inventory of Existing Chemical Substances (IECSC)  
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.  
Listed on the Korean ECL (Existing Chemical List) inventory.  
Listed on New Zealand - Inventory of Chemicals (NZIoC)  
Listed on Inventory of Chemicals and Chemical Substances (PICCS)

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### Paraffin waxes and Hydrocarbon waxes (8002-74-2)

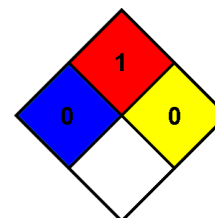
Listed on the AICS (the Australian Inventory of Chemical Substances)  
Listed on Inventory of Existing Chemical Substances (IECSC)  
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.  
Listed on the Korean ECL (Existing Chemical List) inventory.  
Listed on New Zealand - Inventory of Chemicals (NZIoC)  
Listed on Inventory of Chemicals and Chemical Substances (PICCS)

### Petrolatum (8009-03-8)

Listed on the AICS (the Australian Inventory of Chemical Substances)  
Listed on Inventory of Existing Chemical Substances (IECSC)  
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.  
Listed on the Korean ECL (Existing Chemical List) inventory.  
Listed on New Zealand - Inventory of Chemicals (NZIoC)  
Listed on Inventory of Chemicals and Chemical Substances (PICCS)

## SECTION 16: Other information

NFPA health hazard : 0 - Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.  
NFPA fire hazard : 1 - Must be preheated before ignition can occur.  
NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



### HMIS III Rating

Health : 0 Minimal Hazard - No significant risk to health  
Flammability : 1 Slight Hazard  
Physical : 0 Minimal Hazard

### SDS Canada (GHS)

*The conditions of handling, storage, use and disposal of the product covered by this SDS are beyond the control and knowledge of Bohning Archery. Therefore we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product. This SDS meets the requirements specified in 29 CFR 1910.1200. Customers are responsible for compliance with local, state, and federal regulations that may be pertinent in the storage, application, and disposal of this product*