

Safety Data Sheet According to the Regulation (EC) N1907/2006 (REACH)**1. Identification of the Substance/Preparation and the Company**

Product Name: Iloform Stick Wax
Product Code: 467222-US25

Manufacturer: Castrol Industrial North America, Inc.
150 W. Warrenville Road
Naperville, IL 60563

Supplier: Company FIOR & GENTZ Gesellschaft für Entwicklung und
Vertrieb von orthopädietechnischen Systemen mbH
Dorette-von-Stern-Straße 5
21337 Lüneburg (Germany)
Phone: +49 4131 24445-0
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Product Identifier: insulating wax
Article Number: WA1000

**Emergency Spill
Information:** +1 (800) 424-9300 CHEMTREC (USA)
1 (613) 996-6666 CANUTEC (Canada)

2. Hazards identification

Physical State: waxy solid

Color: opaque tan

Emergency Overview: CAUTION!
MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN
IRRITATION.

Avoid contact with eyes, skin and clothing. Use only with
adequate ventilation. Keep container tightly closed and
sealed until ready for use. Wash thoroughly after
handling.

Routes of Entry: dermal contact, eye contact, inhalation, ingestion

Potential Health Effects:

Eyes: May cause eye irritation.
Skin: May cause skin irritation.
Inhalation: May cause respiratory tract irritation.
Ingestion: Ingestion may cause gastrointestinal irritation and
diarrhea.

See "Toxicological Information" (Section 11)

3. Composition/Information on Ingredients

Highly Refined Base Oil and Additives

Ingredient Name	CAS Nr.	Content [%]
Paraffin Waxes and Hydrocarbon Waxes	8002-74-2	20 - 25
Petroleum Wax	64742-42-3/ 64742-60-5	10 - 15

4. First Aid Measures

Eye Contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.
Skin Contact:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion:	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If potentially dangerous quantities of this material have been swallowed, call a physician immediately. Get medical attention if symptoms occur.

5. Fire-Fighting Measures

Flash Point:	open cup: 243°C (469.4°F) [Cleveland]
Fire/Explosion Hazards:	no specific fire or explosion hazard
Extinguishing Media Suitable:	Use an extinguishing agent suitable for the surrounding fire.
Not Suitable:	Do not use water jet.
Fire-Fighting Procedures:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Hazardous Combustion Products:	Combustion products may include the following: carbon oxides (CO, CO ₂) (carbon monoxide, carbon dioxide)

Protective Clothing (fire): Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental Release Measures

Personal Precautions: No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

Environmental Precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for Cleaning Up:
Large Spill:

Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor.

Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Small Spill:

Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

7. Handling and Storage

Handling: Put on appropriate personal protective equipment (see Section 8). Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate.

Storage: Store in accordance with local regulations. Store away from direct sunlight in a dry, cool and wellventilated area, away from incompatible materials (see Section 10). Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits

Ingredient Name	Occupational Exposure Limits
Paraffin Waxes and Hydrocarbon Waxes	<p>CA Alberta Provincial (Canada) 8 hrs OEL: 2 mg/m³ 8 hours Issued/Revised: 4/2004 Form: fume</p> <p>CA British Columbia Provincial (Canada) TWA: 2 mg/m³ 8 hours Issued/Revised: 8/2004 Form: fume</p> <p>CA Ontario Provincial (Canada) TWA: 2 mg/m³ 8 hours. Issued/Revised: 9/1994 Form: fume</p> <p>CA Quebec Provincial (Canada) TWAEV: 2 mg/m³ 8 hours Issued/Revised: 1/2000 Form: fume</p>
Petroleum Wax	<p>ACGIH (United States) TWA: 5 mg/m³ 8 hours</p> <p>OSHA (United States) TWA: 5 mg/m³ 8 hours</p>

While specific OELs for certain components may be shown in this section, other components may be present in any mist, vapor or dust produced. Therefore, the specific OELs may not be applicable to the product as a whole and are provided for guidance only.

Control Measures:	Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
Hygiene Measures:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.
Personal Protection:	
Eyes:	Avoid contact with eyes. Safety glasses with side shields or chemical goggles.
Skin and Body:	Avoid contact with skin and clothing. Wear suitable protective clothing.
Respiratory:	Use adequate ventilation. Avoid breathing dust.

Hands

The correct choice of protective gloves depends upon the chemicals being handled, the conditions of work and use, and the condition of the gloves (even the best chemically resistant glove will break down after repeated chemical exposures). Most gloves provide only a short time of protection before they must be discarded and replaced. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Gloves should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

Consult your supervisor or Standard Operating Procedure (S.O.P) for special handling instructions.

9. Physical and Chemical Properties

Physical State:	waxy solid
Color:	opaque tan
Odour:	not available
Odour Threshold:	not available
Flash Point:	open cup: 243°C (469.4°F) [Cleveland]
Specific Gravity:	not available
Density:	<1000 kg/m ³ (<1 g/cm ³) at 15.6°C
pH:	not available
Boiling Point/Range:	not available
Melting Point/Range:	>62.778°C (>145°F)
Vapor Pressure:	not available
Vapor Density:	not available
Evaporation Rate:	not available
Solubility:	insoluble in water
LogKow:	not available

10. Stability and Reactivity

Stability and Reactivity:	The product is stable.
Possibility of Hazardous Reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to Avoid:	not available
Incompatibility with Various Substances:	Reactive or incompatible with the following materials: oxidizing materials
Hazardous Decomposition Products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous Polymerisation:	Under normal conditions of storage and use, hazardous polymerization will not occur.

11. Toxicological Information

Potential Chronic Health Effects:

Carcinogenicity:	no known significant effects or critical hazards
Mutagenicity:	no known significant effects or critical hazards
Teratogenicity:	no known significant effects or critical hazards
Fertility effects:	no known significant effects or critical hazards
Reproductive effects:	no known significant effects or critical hazards
Medical conditions aggravated by overexposure:	none known

12. Ecological Information

Ecotoxicity:	No testing has been performed by the manufacturer.
Persistence/degradability:	The biodegradability of this material has not been determined.
Mobility:	waxy solid, insoluble in water

13. Disposal Considerations

Waste Information:	The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
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NOTE: The generator of waste has the responsibility for proper waste identification (based on characteristic(s) or listing), transportation and disposal.

14. Transport Information

Not classified as hazardous for transport (DOT, TDG, IMO/IMDG, IATA/ICAO).

15. Regulatory Information

WHMIS (Canada): not controlled under WHMIS (Canada)

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 Regulations.

Other Regulations:

Canada Inventory: All components are listed or exempted.

United States Inventory (TSCA 8b): All components are listed or exempted.

REACH Status: The company, as identified in Section 1, sells this product in the EU in compliance with the current requirements of REACH.

Australia inventory (AICS): All components are listed or exempted.

China Inventory (IECSC): All components are listed or exempted.

Japan Inventory (ENCS): not determined

Korea Inventory (KECI): All components are listed or exempted.

Philippines Inventory (PICCS): All components are listed or exempted.

Taiwan Inventory (CSNN): not determined

16. Other Information

Label Requirements: CAUTION!
MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION.

History:

Date of Issue: 02/16/2015

Date of Previous Issue: 08/10/2010

Prepared by: Product Stewardship

Notice to Reader

All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date specified below. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.

The data and advice given apply when the product is sold for the stated application or applications. You should not use the product other than for the stated application or applications without seeking advice from BP Group.

It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The BP Group shall not be responsible for any damage or injury resulting from use, other than the stated product use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material. Purchasers of the product for supply to a third party for use at work, have a duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet. Employers have a duty to tell employees and others who may be affected of any hazards described in this sheet and of any precautions that should be taken. You can contact the BP Group to ensure that this document is the most current available. Alteration of this document is strictly prohibited.