



# MATERIAL SAFETY DATA

Chemtrec 24-Hour Emergency Telephone  
 Domestic North America (800) 424-9300  
 International (800) 527-3887

*This MSDS complies with 29 CFR 1910.1200 (Hazard Communications)*

## 1. Product and Supplier Identification

**Product Name:** Orca Skin Hybrid Liquid Release Agent  
**Product Number:** 252204  
**Date of Prep:** 01/20/2010  
**Product Type:** Liquid Mold Release Agent  
**Supplier:** Fiberlay Inc.  
 24 S. Idaho S.  
 Seattle, Wa 98134  
 (206)782-0660

## 2. Composition/Information On Ingredients

Hazardous Components (Specific Chemical Identity; Common Name(s) Solvents	OSHA PEL	ACGIH TLV	Other limits recommended
Petroleum Distillate	CAS# 8030-30-6	ACGIH TLV 400 PPM	100 PPM
Non-Hazardous Proprietary Polymer and Carnuba Wax			
H 2, F 2, R-0			

## 3. Hazards Identification

**Routes of Entry:** Skin and Inhalation

**Health Hazards (*Acute and Chronic*):** Health hazards addressed are for Hexane

**Carcinogenicity:**

NTP: Not listed

IARC Monographs: Not listed

OSHA Regulated: Not listed

**Signs and Symptoms of Exposure:** Eye and skin irritant. Avoid breathing of vapor may result in dizziness and headaches to unconsciousness.

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**Medical Conditions Generally Aggravated by Exposure:** Pre-existing skin, eye, or respiratory disorders may be more susceptible.

**Emergency and First Aid Procedures:** See section 4.

### 4. First Aid Measures

**INHALATION:** move to fresh air. If not breathing give artificial respiration or oxygen. Call physician

**SKIN CONTACT:** Wash with soap and plenty of water. If irritation persists consult physician.

**EYE CONTACT:** Flush with water for at least 15 minutes. Consult physician.

**INGESTION:** Consult Physician immediately. ***Do not induce vomiting.***

**GENERAL COMMENTS:** Good personal hygiene is essential. Avoid eating, smoking or drinking in work areas. Before emesis, gastric lavage using a cuffed endotracheal tube should be considered.

### 5. Fire Fighting Measures

**Flash point:** 27°C (80°) TCC  
**Autoignition Temperature:** See information under "Fire Fighting Instructions"  
**Lower Explosive Limit:** 1.2 % by volume  
**Upper Explosion Limit:** 9.6% by volume  
**Sensitivity to Impact:** No  
**Sensitivity to Static Discharge:** No

**Hazardous Combustion Products:** Burning may produce oxides of carbon.

**Extinguishing Media:** Foam, Dry chemical, CO<sub>2</sub>, Water may be ineffective. However water spray can be used to keep fire exposed containers cool.

**Special Fire Fighting Procedures:** Use air – supplied rescue equipment NIOSH- approved with full face piece operated in the pressure demand.

**Unusual Fire and Explosion Hazards:** Product flammable, material can ignite at ambient temperature. Do not store or mix with strong oxidants. Vapors can flow along surface to distant ignition source and flash back.

### 6. Accidental Release Measures

**Steps to Be Taken in Case Material is Released or Spilled:**

Remove all ignition sources. Keep people away, recover free liquid. Add absorbent to spill area. Ventilate enclosed areas, keep product out of public sewers, streams and waterways.

**Personal Protection:** Wear adequate personal protection to prevent skin contact. See Section 8 for specific recommendations

**Environmental Precautions:** Prevent release into waterways and sewers. Stop spill as soon as possible to prevent contamination of soil, groundwater, or surface water.

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**Cleanup Procedures:** Poisonous, flammable liquid, insoluble or very slightly soluble in water. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand, or other non-combustible material. Prevent entry into sewers, basements, or confined areas. Dike if needed. Eliminate all sources of ignition. Call for assistance on disposal. Consult national, provincial, and local regulations.

### 7. Handling and Storage

**Handling Procedures:** Keep away from heat and all sources of ignition. Ground all equipment containing material. Do not ingest. Do not breath gas, fumes, vapor, or spray. Follow safe work procedures and wear appropriate personal protective equipment.

**Storage:** Store in a cool dry, well ventilated area away from any heat sources. Keep containers closed. Keep away from heat, sparks or open flame. Avoid breathing vapors. Avoid prolonged or repeated contact with skin. Remove contaminated clothing, wash before reuse. Empty containers retain residue and can be dangerous. Do not pressurize, cut, weld, braze, drill, grind or expose such containers to heat, flame, sparks, or other sources of ignition, they may explode and cause injury or death. Empty drums should be completely drained, and properly disposed of. Do not store above 120°F.

### 8. Exposure Controls, Personal Protection

**Engineering Controls:** If used indoors, ensure adequate non-sparking ventilation. Remove all sources of ignition and post "No Smoking" signs in the work place. Keep away from heat, and never weld, cut, or solder empty containers. Use adequate ventilation to reduce concentration to below TLV.

**Respiratory Protection:** Air supplied respiratory protection in confined or enclosed areas. Use in well ventilated area to maintain below TLV levels.

**Ventilation:**

**Local Exhaust:** Use in well ventilated area to maintain below TLV levels.

**Mechanical (General):** Explosion proof ventilation equipment.

**Special:** If needed to maintain below TLV levels.

**Skin Protection:** Wear chemical resistant gloves (butyl rubber) and clothing to prevent skin contact.

**Eye and Face Protection:** Chemical splash-proof goggles must be worn at all times.

**Other Protective Clothing or Equipment:** To avoid skin contact. No smoking, use only with adequate ventilation.

**Work/Hygienic Practices:** Use good industrial hygienic practices.

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### 9. Physical and Chemical Properties

<b>Appearance:</b>	White Liquid	<b>Boiling Point:</b>	189°C- 207°C
<b>Odour:</b>	Aromatic hydrocarbon	<b>Freezing Point:</b>	N/A
<b>pH:</b>	Not applicable.	<b>Relative Density:</b>	N/A
<b>Vapour Pressure:</b>	N/A	<b>Specific Gravity (H<sub>2</sub>O=1)</b>	<1
<b>Solubility:</b>	Negligible	<b>Partition Coefficient:</b>	No data
<b>Vapour Density:</b>	N/A	<b>Evaporation Rate:</b>	(Butyl Acetate=1) 0.1.
<b>Melting Point:</b>	80°C-85°C		

### 10. Stability and Reactivity

**Chemical Stability:** This product is stable. Heat can contribute to instability

**Hazardous Polymerization:** Conditions to Avoid: Heat, flame, ignition sources and incompatibles.

**Incompatibility:** (Material to avoid) Strong oxidants

**Hazardous Decomposition or Byproducts:** Carbon monoxide in the case of incomplete combustion, acrid smoke and irritating fumes.

### 11. Toxicological Information

Data not available

### 12. Ecological Information

**Environmental Toxicity:** No data available.

**Biodegradability:** No data available.

### 13. Disposal Considerations

Review federal, provincial or state, and local government requirements prior to disposal. Store material for disposal as indicated in Storage Conditions. Disposal by controlled incineration may be acceptable. Dispose of waste by supervised incineration or in a chemical disposal area in compliance with local regulations.

### 14. Transport Information

D.O.T. Shipping Name – Flammable Liquid n.o.s.

Technical Name- Naphtha

D.O.T. Hazard Class 3, PGIII

U.N. Number – UN1993

D.O.T. Label – Flammable Liquid

## Orca Skin Hybrid Liquid Release Agent

### 15. Regulatory Information

#### CANADIAN FEDERAL REGULATIONS:

CEPA, DOMESTIC SUBSTANCES LIST: Listed

WHMIS CLASSIFICATION: B2, D2A, D2B, F

#### UNITED STATES REGULATIONS:

29CFR 1910.1200: Hazardous

40CFR 116-117: Hazardous

40CFR 355, Appendices A and B: Not subject to Emergency Planning and Notification

40CFR 372: Listed

40CFR 302: Listed, Reportable Quantity, 1000 lbs (454 Kg)

### 16. Other Information

**Preparation Date:** March 13<sup>th</sup>, 2010

**Prepared by:** Fiberlay Inc

Comments: This Material Safety Data Sheet was prepared using information provided by Grignard Company, LLC and Fiberlay Inc.

**Revisions:** None

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