



# 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 GCI Semi-Permanent Liquid  
**Product Number:** 252205, 2522051  
**Date of Prep:** 11-30-2010  
**Product Type:** Resin Solution  
**Supplier:** Fiberlay Inc.  
24 S. Idaho S.  
Seattle, Wa 98134  
(206)782-0660

## 2. HAZARDOUS INGREDIENTS:

CAS No.	Chemical Name	OSHA PEL	ACGIH TLV	Other Limits Recommended
64742-95-6	Petroleum Distillate		400 ppm	60-90%
110-54-3	Light Petroleum Distillate	500 ppm	500 ppm	10-40%
	Proprietary Resin Blend		Not Established	1-10%

**H2 F3 R-1**

## 3. HAZARDOUS IDENTIFICATION:

**Routes of Entry:** Skin and inhalation

**Signs & Symptoms of Exposure:**

- Eye and skin irritant
- Breathing of vapor may result in dizziness and headaches to unconsciousness

**Medical Conditions Generally Aggravated by Exposure:**

- Pre-existing skin, eye, or respiratory disorders may be more susceptible

## Health Hazards (Acute and Chronic):

### Carcinogenicity:

- NTP: Not listed
- IARC Monographs: Not listed
- OSHA Regulated: Not listed

## 4. FIRST AID MEASURES:

### Eyes:

- Flush with water for at least 15 minutes
- Consult physician

### Inhalation:

- Move to fresh air
- If not breathing give artificial respiration or oxygen
- Call Physician

### Skin:

- Wash with soap and plenty of water
- If irritation persists consult physician

### Ingestion:

- Consult Physician immediately
- Do NOT induce vomiting

## 5. FIRE FIGHTING MEASURES:

**Flash Point:** -23°C

**LEL:** 1.2%

**UEL:** 7.7%

### Extinguishing Media:

- Foam
- Dry chemical
- CO<sub>2</sub>
- Water may be ineffective but may 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

### Waste Disposal Method:

- Dispose of waste by supervised incineration or in a chemical disposal area in compliance with local regulations

## 7. HANDING & STORAGE:

### 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

### Handling:

- Avoid breathing vapors
- Avoid prolonged or repeated contact with skin
- Remove contaminated clothing; wash before reuse
- Empty containers retain residue:
  - ✓ Do not pressurize, cut, weld, braze, drill, grind or expose to heat, flame, sparks, or other sources of ignition
  - ✓ May explode and cause injury or death
  - ✓ Empty drums should be completely drained and properly disposed of
  - ✓ Do not store above 120°F

## 8. PERSONAL PROTECTION:

### Ventilation:

- **Local exhaust:**
  - ✓ Use in well ventilated area to maintain below TLV levels
  - ✓ Special ventilation if needed to maintain below TLV levels
- **Mechanical exhaust:**
  - ✓ Explosion proof ventilation equipment

### Respiratory Protection:

- Air supplied respiratory protection in confined or enclosed areas
- Use in well ventilated area to maintain below TLV levels

**Protective Clothing or Equipment:**

- To avoid skin contact
- Use only with adequate ventilation
- Safety shower in proximity to work area

**Work / Hygienic Practices:**

- Use good industrial hygienic practices

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

<b>Physical Form</b>	Liquid	<b>Solubility in Water</b>	Negligible
<b>Color</b>	Clear	<b>Specific Gravity</b>	0.659 (H <sub>2</sub> O = 1)
<b>Odor</b>	Aromatic Hydrocarbon	<b>Vapor Pressure</b>	132mm Hg @ 20°C
<b>Boiling Point</b>	69°C (IBP-FBP)	<b>Vapor Density</b>	3 (AIR = 1)
<b>Melting Point</b>	-95°C	<b>Evaporation Rate</b>	NA (Butyl Acetate = 1)

**10. STABILITY AND REACTIVITY:**

**Stability:** Stable; heat can contribute to instability

**Hazardous Polymerization:** Will not occur

**Incompatibilities:** Strong oxidants

**Conditions to Avoid:**

- Heat
- Flame
- Ignition sources
- incompatibles

**Decomposition Products:****Incomplete combustion:**

- Carbon monoxide
- Acrid smoke
- Irritating flames

**11. TRANSPORTATION INFORMATION:**

**D.O.T. Shipping Name:** Resin Solution  
**D.O.T. Hazard Class:** 3, PGII  
**UN. Number:** UN1866  
**D.O.T. Label:** Flammable Liquid

## 12. OTHER INFORMATION:

**Preparation Date:** 11-30-2010

**Prepared by:** Fiberlay Inc

**This information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.**

**This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of FIBERLAY. The data on this sheet relates only to the material specified herein.**