

# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** SYLVALITE™ RE 110L  
**Version #** 01  
**Revision date** 12-12-2011  
**Product Code** 2000152, 2000153  
**Patent Information** U.S. Pat. No. 5120781

## 2. Hazards Identification

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
SYLVALITE™ RE 110L		100

## 4. First Aid Measures

## 5. Fire Fighting Measures

**Fire fighting equipment/instructions** Not available.

## 6. Accidental Release Measures

## 7. Handling and Storage

## 8. Exposure Controls / Personal Protection

### Occupational exposure limits

#### ACGIH

Material	Type	Value	Form
SYLVALITE™ RE 110L	TWA	10 mg/m3 3 mg/m3	Total dust Respirable dust

#### U.S. - OSHA

Material	Type	Value	Form
SYLVALITE™ RE 110L	TWA	15 mg/m3 5 mg/m3	Total dust Respirable dust

## 9. Physical & Chemical Properties

**Appearance** Yellow solid  
**Physical state** Solid.  
**Form** Flakes. Flakes  
**Color** Yellow.  
**Odor** Mild rosin  
**pH** Not available.  
**Vapor pressure** < 0.001 mm Hg at 20°C  
**Melting point/Freezing point** Not available.  
**Solubility (water)** < 0.1 % at 25°C  
**Specific gravity** > 1 at 25°C/25°C (water=1)  
**Relative density** > 1 at 25°C/25°C (water=1)

<b>Flash point</b>	514 °F (268 °C) Setaflash Closed Cup
<b>VOC</b>	0 % estimated
<b>Evaporation rate</b>	0 approx., (n-BuAc=1)
<b>Viscosity</b>	383000 cP Brookfield at 125°C
<b>Percent volatile</b>	< 2 % EPA Method 24 estimated
<b>Softening point</b>	228.2 °F (109 °C) Ring & Ball
<b>Other data</b>	
<b>Chemical family</b>	Rosin Ester
<b>Density</b>	> 1000 kg/m3 at 20°C
<b>Flammability</b>	Nonflammable
<b>Flammability class</b>	Non-hazardous
<b>Pounds per gallon</b>	9 at 25°C
<b>Weighted solids</b>	100 %

## 10. Chemical Stability & Reactivity Information

<b>Conditions to avoid</b>	Not available.
<b>Incompatible materials</b>	Not available.
<b>Hazardous decomposition products</b>	Not available.

## 11. Toxicological Information

### Toxicological data

<b>Product</b>	<b>Test Results</b>
SYLVALITE™ RE 110L	Acute Oral LD50 Rat: > 5000 Acute Oral LD50 Rat: > 2000 mg/kg

<b>Sensitization</b>	Not available.
<b>Subchronic effects</b>	

<b>Product</b>	<b>Test Results</b>
SYLVALITE™ RE 110L	1000 mg/kg/day 28-day Repeat Dose Species: Wistar rat Organ: Oral Test Duration: 28 days

### Skin corrosion/irritation

<b>Product</b>	<b>Test Results</b>
SYLVALITE™ RE 110L	4 FHSA Draize Skin Result: Negative Species: New Zealand white rabbit Organ: Skin Test Duration: 72 hours

### Mutagenicity

<b>Product</b>	<b>Test Results</b>
SYLVALITE™ RE 110L	In Vitro Mammalian Cell Gene Mutation Result: Negative Species: Mouse

## Serious eye damage/eye irritation

Not available.

### Product

SYLVALITE™ RE 110L

### Test Results

FHSA Draize Eye  
Result: Positive  
Species: New Zealand white rabbit  
Organ: Eye  
Test Duration: 7 days  
Severity: Mild

## 12. Ecological Information

### Ecotoxicological data

#### Product

SYLVALITE™ RE 110L

#### Test Results

EC50 Daphnia: > 100 mg/l 48 hours  
NOEL Daphnia: 56 mg/l 48 hours

### Persistence and degradability

Not available.

## 13. Disposal Considerations

## 14. Transport Information

### DOT

Not regulated as dangerous goods.

## 15. Regulatory Information

### US federal regulations

#### Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2))

Not regulated

#### DEA Essential Chemical Code Number

Not regulated

#### Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Not regulated

#### DEA Exempt Chemical Mixtures Code Number

Not regulated

### CERCLA (Superfund) reportable quantity

None

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### Hazard categories

Immediate Hazard - Yes  
Delayed Hazard - Yes  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

#### Section 302 extremely hazardous substance

No

#### Section 311 hazardous chemical

No

### Inventory status

#### Country(s) or region

#### Inventory name

#### On inventory (yes/no)\*

Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No

<b>Country(s) or region</b>	<b>Inventory name</b>	<b>On inventory (yes/no)*</b>
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

## 16. Other Information

### HMIS® ratings

Health: 2  
 Flammability: 1  
 Physical hazard: 0

### NFPA ratings

Health: 2  
 Flammability: 1  
 Instability: 0

### Issue date

12-12-2011

### This data sheet contains changes from the previous version in section(s):

Physical & Chemical Properties