

**SAFETY DATA SHEET**

Version 1.0  
Revision Date 07/17/2015  
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**1. PRODUCT AND COMPANY IDENTIFICATION**

**1.1 Product identifiers**

Product name : CableCURE® 733 Life Extension Fluid

**11.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified uses : Additive for power cable

**1.3 Details of the supplier of the safety data sheet**

Company : Novinium, Inc.  
22820 Russell Road  
Kent, WA 98032  
USA

Telephone : +1 253-395-0200  
Fax : +1 253-395-1040

**1.4 Emergency telephone number**

Emergency Phone # : +1 703-527-3887  
+1 800-424-9300 (within US or Canada).

**2. HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture**

Not a hazardous substance or mixture.

**2.2 GHS Label elements, including precautionary statements**

Not a hazardous substance or mixture.

**2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none**

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2 Mixtures**

**Hazardous components**

Component	Classification	Concentration
<b>Ferrocene</b>		
CAS-No. 102-54-5	Flam. Sol. 1; Acute Tox. 4; H228, H302	2 - 4%
EC-No. 203-039-3		
<b>Tinuvin 123</b>		
CAS-No. 129757-67-1	Aquatic Chronic 4; H413	2 - 4%
<b>Tinuvin 1130</b>		
CAS-No. 104810-47-1	Allergic Skin Reaction; H317 Aquatic Toxicity; H411	< 3 %
CAS-No. 104810-48-2		
<b>Irgastab Cable KV 10</b>		
CAS-No. Trade Secret		< 5 %

<b>4-[(Dimethoxymethylsilyl)propyl]-2,6-di-tert-butylphenol</b>		
CAS-No.	102567-35-1	< 5 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

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#### 4. FIRST AID MEASURES

##### 4.1 Description of first aid measures

###### General advice

Move out of dangerous area.

###### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

###### In case of skin contact

Wash off with soap and plenty of water.

###### In case of eye contact

Flush eyes with water as a precaution.

###### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

##### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

##### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

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#### 5. FIREFIGHTING MEASURES

##### 5.1 Extinguishing media

###### Suitable extinguishing media

Use water fog, alcohol-resistant foam, dry chemical or carbon dioxide. Do not use water jet.

##### 5.2 Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NO<sub>x</sub>), Sulphur oxides, Iron oxides

##### 5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

##### 5.4 Further information

no data available

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#### 6. ACCIDENTAL RELEASE MEASURES

##### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing vapors, mist or gas.  
For personal protection see section 8.

##### 6.2 Environmental precautions

Do not let product enter drains.

##### 6.3 Methods and materials for containment and cleaning up

Keep in suitable, closed containers for disposal.

##### 6.4 Reference to other sections

For disposal see section 13.

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#### 7. HANDLING AND STORAGE

##### 7.1 Precautions for safe handling

For precautions see section 2.2.

##### 7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Components with workplace control parameters

Component	CAS-No.	Value	Control parameters	Basis
Ferrocene	102-54-5	TWA	10 mg/m <sup>3</sup>	USA. ACGIH Threshold Limit Values (TLV)
		TWA	15 mg/m <sup>3</sup> (Total Dust)	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
		TWA	5 mg/m <sup>3</sup> (Respirable Dust Fraction)	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants

#### Eye/face protection

Safety glasses with side shields conforming to ANSI Z87.1. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH.

#### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of ANSI 105.

#### Body Protection

Impervious clothing is recommended. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

- |  |                                       |
|--|---------------------------------------|
| a) Appearance                              | Form: liquid<br>Color: green to brown |
| b) Odor                                    | Mildly sweet                          |
| c) Odor Threshold                          | no data available                     |
| d) pH                                      | no data available                     |
| e) Melting point/freezing point            | no data available                     |
| f) Initial boiling point and boiling range | > 200 °C (> 392 °F)                   |
| g) Flash point                             | > 120 °C (> 248 °F) - closed cup      |
| h) Evaporation rate                        | no data available                     |
| i) Flammability (solid, gas)               | no data available                     |
| j) Upper/lower flammability or             | no data available                     |

explosive limits

- |   |                               |
|---|-------------------------------|
| k) Vapor pressure                         | no data available             |
| l) Vapor density                          | > 1                           |
| m) Relative density                       | 0.93 g/cm <sup>3</sup> @ 23°C |
| n) Water solubility                       | Insoluble, reacts             |
| o) Partition coefficient: n-octanol/water | no data available             |
| p) Auto-ignition temperature              | no data available             |
| q) Decomposition temperature              | no data available             |
| r) Viscosity                              | 12 – 15 cSt @ 25 °C           |
| s) Explosive properties                   | no data available             |
| t) Oxidizing properties                   | no data available             |

## 9.2 Other safety information

no data available

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## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

Reacts with water and moisture in air.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

no data available

### 10.4 Conditions to avoid

Keep away from water, reacts with water and moisture in air.

### 10.5 Incompatible materials

Strong oxidizing agents, Water.

### 10.6 Hazardous decomposition products

Other decomposition products - no data available

In the event of fire: see section 5

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## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity

no data available

#### Skin corrosion/irritation

no data available

#### Serious eye damage/eye irritation

no data available

#### Respiratory or skin sensitization

no data available

#### Germ cell mutagenicity

no data available

#### Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

- ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
- NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity**

no data available

**Specific target organ toxicity - single exposure**

no data available

**Specific target organ toxicity - repeated exposure**

no data available

**Aspiration hazard**

no data available

**Potential health effects**

<b>Inhalation</b>	May be harmful if inhaled. May cause respiratory tract irritation.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Skin</b>	May be harmful if absorbed through skin. May cause skin irritation.
<b>Eyes</b>	Causes eye irritation.

**Signs and Symptoms of Exposure**

Nausea, Headache, Vomiting. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Stomach - Irregularities - Based on Human Evidence (Ferrocene)

Stomach - Irregularities - Based on Human Evidence (Tinuvin 123)

**Additional Information**

RTECS: Not available

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**12. ECOLOGICAL INFORMATION**

**12.1 Toxicity**

no data available

**12.2 Persistence and degradability**

no data available

**12.3 Bioaccumulative potential**

no data available

**12.4 Mobility in soil**

no data available

**12.5 Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**12.6 Other adverse effects**

no data available

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**13. DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods**

**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**

Dispose of as unused product.

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## 14. TRANSPORT INFORMATION

### DOT (US)

Not dangerous goods

### IMDG

Not dangerous goods

### IATA

Not dangerous goods

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## 15. REGULATORY INFORMATION

### SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

### SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard

### Massachusetts Right To Know Components

	CAS-No.	Revision Date
Ferrocene	102-54-5	1994-04-24

### Pennsylvania Right To Know Components

	CAS-No.	Revision Date
Cyanobutylmethylbis(2-ethylhexoxy)silane	1100093-73-9	
2-(4-Methylphenethyl)methylbis(2-ethylhexoxy)silane	1100290-27-4	
Di(2-ethylhexoxy)methyl[2-(methylphenyl)ethyl]silane	1100290-28-5	
IRGASTAB Cable KV-10	110553-27-0	
Ferrocene	102-54-5	1994-04-24
Tinuvin 123	129757-67-1	

### New Jersey Right To Know Components

	CAS-No.	Revision Date
Cyanobutylmethylbis(2-ethylhexoxy)silane	1100093-73-9	
2-(4-Methylphenethyl)methylbis(2-ethylhexoxy)silane	1100290-27-4	
Di(2-ethylhexoxy)methyl[2-(methylphenyl)ethyl]silane	1100290-28-5	
IRGASTAB Cable KV-10	110553-27-0	
Ferrocene	102-54-5	1994-04-24
Tinuvin 123	129757-67-1	

### California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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## 16. OTHER INFORMATION

### Full text of H-Statements referred to under sections 2 and 3.

Acute Tox.	Acute toxicity
Aquatic Chronic	Chronic aquatic toxicity
Flam. Sol.	Flammable solids
H228	Flammable solid.
H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

### HMIS Rating

Health hazard: 1

Chronic Health Hazard: \*  
Flammability: 1  
Physical Hazard 0

**NFPA Rating**

Health hazard: 1  
Fire Hazard: 1  
Reactivity Hazard: 0

**Further information**

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The information contained in this document has been gathered from reference materials and/or test data and is to our best knowledge and belief accurate and reliable. Such information is offered solely for your consideration, identification, and verification. It is not suggested or guaranteed that the hazard precautions or procedures described are the only ones which exist. There are no warranties expressed or implied with respect to the use of such information and we assume no responsibility therefore. It is advised that users carry out their own tests to determine the safety and suitability of each product or combination of products for their end use.

Notice: Novinium® and CableCURE® are registered trademarks of Novinium, Inc. The Novinium process and Ultrinium materials are protected by granted and pending U.S. Patents and their foreign equivalents including 7,195,504, 7,353,601, 7,538,274, 7,611,748, 7,615,247, 7,643,977, 7,658,808, 7,683,260, 7,700,871, and 7,848,912, 7,976,747, 8,101,034, 8,205,326, 8,475,194, and 8,572,842. An expanded list is available at [www.novinium.com/patents.aspx](http://www.novinium.com/patents.aspx).

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