

SAFETY DATA SHEET

Version 1.0
Revision Date 12/30/2016
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1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name : Cablecure® 732/80 – 212m 1:1 Blend

1.2 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

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Flammable liquids (Category 4), H227

Acute toxicity, Oral (Category 4), H302

Reproductive toxicity (Category 1B), H360

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

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Warning

Hazard statement(s)

H227

Combustible liquid

H302

Harmful if swallowed.

H360

May damage fertility or the unborn child

Precautionary statement(s)

P210

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P264

Wash skin thoroughly after handling.

P270

Do not eat, drink or smoke when using this product.

P280

Wear protective gloves and clothing/ eye protection/ face protection.

P301 + P312

IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.

P330

Rinse mouth.

P370 + P378

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

P403 + P235
P501

Store in a well-ventilated place. Keep cool.
Dispose of contents/ container to an approved waste disposal plant.

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
Cyanobutylmethyldimethoxysilane		
CAS-No. 793681-94-4		< 45 %
Bis(2-(2-methoxyethoxy)ethyl)ether		
CAS-No. 143-24-8	Repr. 1B: H360	< 50 %
Tolyethylmethyldimethoxysilane		
CAS-No. 722542-80-5		< 2 %
p-Methylphenethyldimethoxysilane		
CAS-No. 722542-79-2		< 2 %
Ferrocene		
CAS-No. 102-54-5 EC-No. 203-039-3	Flam. Sol. 1; Acute Tox. 4; H228, H302	< 4 %
Tinuvin 123		
CAS-No. 129757-67-1	Aquatic Chronic 4; H413	< 4 %
Tinuvin 1130		
CAS-No. 104810-47-1	Allergic Skin Reaction; H317	< 2 %
CAS-No. 104810-48-2	Aquatic Toxicity; H411	
Irgastab Cable KV 10		
CAS-No. Trade Secret		< 3 %
4-[(Dimethoxymethylsilyl)propyl]-2, 6 – di – tert – butylphenol		
CAS-No. 102567-35-1		< 3 %

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

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

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

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

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_x), sulphur oxides, iron oxides, silicon oxides

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information

Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

For personal protection see section 8.

6.2 Environmental precautions

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

6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.

Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

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

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 ³	USA. ACGIH Threshold Limit Values (TLV)
		TWA	15 mg/m ³ (Total Dust)	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
		TWA	5 mg/m ³ (Respirable Dust Fraction)	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- | | |
|---|---------------------------------------|
| a) Appearance | Form: liquid
Color: green to brown |
| b) Odor | Mildly sweet |
| c) Odor Threshold | 10 to 20,000 ppm |
| d) pH | no data available |
| e) Melting point/freezing point | < -18 °C (< 0 °F) |
| f) Initial boiling point and boiling range | > 90 °C (> 194 °F) |
| g) Flash point | > 85 °C (> 185 °F) |
| h) Evaporation rate | Slow |
| i) Flammability (solid, gas) | no data available |
| j) Upper/lower flammability or explosive limits | no data available |

- | | |
|--|------------------------------|
| k) Vapor pressure | no data available |
| l) Vapor density | >1 |
| m) Relative density | 1.01 g/cm ³ @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 | 2.8 – 3.4 cS at 20 °C |
| s) Explosive properties | no data available |
| t) Oxidizing properties | no data available |

9.2 Other safety information

no data available

10. STABILITY AND REACTIVITY

10.1 Reactivity

Reacts with water to liberate methanol.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

no data available

10.4 Conditions to avoid

Heat, flames and sparks.

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Other decomposition products - no data available

In the event of fire: see section 5

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

Presumed human reproductive toxicant

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

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

Signs and Symptoms of Exposure

This product reacts with water and moisture to form methanol. The combination of visual disturbances, metabolic acidosis, and formic acid in urine is evidence of methanol poisoning. The therapeutic intravenous administration of ethanol (10mls/hr) allows methanol to be preferentially oxidized and reduces production of methanol metabolites. Acidosis must be treated with intravenous administration of sodium bicarbonate and methanol elimination may be increased by hemodialysis, as indicated. Treatment should be based on blood methanol levels and acid/base balance.

Stomach - Irregularities - Based on Human Evidence (Ferrocene)

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

Additional Information

RTECS: Not available

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

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

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

Fire Hazard, 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
Cyanobutylmethyldimethoxysilane	793681-94-4	
Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	
Silane, dimethoxymethyl[1-(methylphenyl)ethyl]-	722542-80-5	
dimethoxymethyl[2-(methylphenyl)ethyl]silane	722542-79-2	
4-[(Dimethoxymethylsilyl)propyl]-2,6-di-tert-butylphenol	102567-35-1	
Ferrocene	102-54-5	1994-04-24
Tinuvin 123	129757-67-1	
Tinuvin 1130	104810-48-2	

New Jersey Right To Know Components

	CAS-No.	Revision Date
Cyanobutylmethyldimethoxysilane	793681-94-4	
Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	
Silane, dimethoxymethyl[1-(methylphenyl)ethyl]-	722542-80-5	
dimethoxymethyl[2-(methylphenyl)ethyl]silane	722542-79-2	
4-[(Dimethoxymethylsilyl)propyl]-2,6-di-tert-butylphenol	102567-35-1	
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.

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
H227	Combustible liquid
H228	Flammable solid.
H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H360	May damage fertility or the unborn child
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:	2
Physical Hazard	0

NFPA Rating

Health hazard:	1
Fire Hazard:	2
Reactivity Hazard:	0

Further information

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