



SAFETY DATA SHEET

**I. IDENTIFICATION**

PRODUCT IDENTIFICATION

EnergyGuard Silicone Coating

Packaging: pails, drums

CAS Number: Mixture

DATE UPDATED

Thursday, February 16, 2017

SUPPLIER INFORMATION



**Lexis Coatings**

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**II. HAZARDS(S) IDENTIFICATION**

Classification of the substance or mixture

- Flam. Liq. 2;H226
- Skin Irrit. 3;H316
- Eye Irrit. 2;H319
- Skin Sens. 1;H317
- Carc. 2;H351

**Label Elements**

In section 11 and 12 the product is labeled as follows.

## Hazard Pictograms



Harmful



Flammable



Health Hazard

H226 Combustible liquid.

H316 Causes mild skin irritation.

H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.

H351 Suspected of causing cancer.

### [Prevention]

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking. P235 Keep cool.

P240 Ground / bond container and receiving equipment.

P241 Use explosion-proof electrical / ventilating / light / equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P261 Avoid breathing dust / fume / gas / mist / vapors / spray.

P264 Wash thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves / eye protection / face protection.

### [Response]

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P303+361+353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.

P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P308+313 IF exposed or concerned: Get medical advice / attention.

P321 Specific treatment (see information on this label).

P333+313 If skin irritation or a rash occurs: Get medical advice / attention. P337+313 If eye irritation persists: Get medical advice / attention.

P363 Wash contaminated clothing before reuse.

P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

### [Storage]

P403+233 Store in a well ventilated place. Keep container tightly closed. P405 Store locked up.

**[Disposal]**

P501 Dispose of contents / container in accordance with local / national regulations.

<b>III. COMPOSITION / INFORMATION ON INGREDIENTS</b>
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This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Petroleum distillates, hydrotreated light CAS Number: 0064742-47-8	10 - 25	Asp. Tox. 1;H304	[1]
Methyltris(methylethylketoximino)silane CAS Number: 0022984-54-9	1.0 - 10	Eye Irrit. 2;H319 Skin Irrit. 2;H315 Skin Sens. 1;H317	[1]
2-Butanone oxime CAS Number: 0000096-29-7	1.0 - 10	Carc. 2;H351 Acute Tox. 4;H312 Eye Dam. 1;H318 Skin Sens. 1;H317	[1]
Proprietary*	0.10 - 1.0	Skin Irrit. 2;H315 Eye Irrit. 2;H319 Skin Sens. 1;H317 Aquatic Chronic 3;H412	[1]

\*In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

<b>IV. FIRST-AID MEASURES</b>
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**Most important symptoms and effects, both acute and delayed**

**Overview**

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness..

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 3 and Section 15 for each ingredient). Risk of cancer depends on duration and level of exposure.

See section 2 for further details.

- **Eyes:** Causes serious eye irritation.
- **Skin:** May cause an allergic skin reaction. Causes mild skin irritation. (Not adopted by US OSHA)

## **V. FIRE-FIGHTING MEASURES**

### **5.1. Extinguishing media**

Foam, dry chemical, CO<sub>2</sub>, water

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

Hazardous decomposition: High temperatures and fires may produce carbon monoxide, oxides of nitrogen and various hydrocarbon fragments.

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

Ground / bond container and receiving equipment.

Use explosion-proof electrical / ventilating / light / equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge. Avoid breathing dust / fume / gas / mist / vapors / spray.

If electrical equipment is involved, the use of foam should be avoided. Use water spray to cool non-involved containers.

Wear SCBA with a full-face piece operated in the positive pressure demand mode and full protective clothing (Bunker Gear) when fighting fires.

ERG Guide No. 127

## **VI. ACCIDENTAL RELEASE MEASURES**

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

Put on appropriate personal protective equipment (see section 8).

### **6.2. Environmental precautions**

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

### **6.3. Methods and material for containment and cleaning up**

Small spill: Remove with absorbent material.

Large spill: Eliminate all ignition sources. Ventilate enclosed areas or wear self-contained breathing apparatus. Recover free liquid in closed containers. Keep out of sewers and water courses. Clean area with absorbent material.

## VII. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Protect from freezing.

See section 2 for further details. - [Prevention]:

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

Handle containers carefully to prevent damage and spillage.

Naked flames and smoking should not be permitted in storage areas. It is recommended that fork lift trucks and electrical equipment are protected to the appropriate standard.

Incompatible materials: Avoid strong oxidizing agents, concentrated nitric and sulfuric acids, halogen, and molten sulfur.

Store in a cool, dry place. Keep container tightly closed when not in use. See section 2 for further details. - [Storage]:

### 7.3. Specific end use(s)

No data available.

## VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1. Control parameters Exposure

#### Exposure

CAS No.	Ingredient	Source	Value
0064742-47-8	Petroleum distillates, hydrotreated light	Supplier	Recommended 300 ppm PEL

### 8.2. Exposure controls

- **Respiratory:** If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.
- **Eyes:** Not needed under normal circumstances.
- **Skin:** Not needed under normal circumstances. protective gloves as needed to avoid skin irritation.
- **Engineering Controls:** Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.
- **Other Work Practices:** Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.
- **See section 2 for further details. - [Prevention]:**

## IX. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:** Viscous white or gray Liquid
- **Odor:** petroleum odor
- **Odor threshold:** Not Measured
- **pH:** Not available
- **Melting point / freezing point:** Not determined
- **Initial boiling point and boiling range:** 310 - 385°F
- **Flash Point:** > 105°F TCC method
- **Evaporation rate (Ether = 1)Flammability (solid, gas):** Slower than ether
- **Flammability (solid, gas):** Not Applicable
- **Upper/lower flammability or explosive limits:** Lower Explosive Limit: 1.1 Upper Explosive Limit: 5.0
- **Vapor pressure (Pa):** Not determined
- **Vapor Density:** Not available
- **Specific Gravity:** 1.23 (H<sub>2</sub>O = 1)
- **Solubility in Water:** Negligible
- **Partition coefficient n-octanol/water (Log Kow):** Not Measured
- **Auto-ignition temperature:** Not available
- **Decomposition temperature:** Not available
- **Viscosity:** 4000 cps
- **VOC Content:** <250 g/liter
- **Density:** Heavier than air (air + 1)

### 9.2. Other information

No other relevant information.

## X. STABILITY AND REACTIVITY

### 10.1. Reactivity

Hazardous Polymerization will not occur.

### 10.2. Chemical stability

Stable under normal circumstances.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

Excessive heat and open flame.

### 10.5. Incompatible materials

Avoid strong oxidizing agents, concentrated nitric and sulfuric acids, halogen, and molten sulfur.

### 10.6. Hazardous decomposition products

High temperatures and fires may produce carbon monoxide, oxides of nitrogen and various hydrocarbon fragments.

## XI. TOXICOLOGICAL INFORMATION

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Petroleum distillates, hydrotreated light - (64742-47-8)	> 5,000.00, Rat - Category: NA	No data available	No data available	No data available	No data available
Methyltris(methylethylketoximino)silane - (22984-54-9)	No data available	No data available	No data available	No data available	No data available
2-Butanone oxime - (96-29-7)	930.00, Rat - Category: 4	2,000.00, Rabbit - Category: 4	20.00, Rat - Category: 4	No data available	5,000.00, Rat - Category: 4
(Trimethoxysilylpropyl)ethylenediamine - (1760-24-3)	7,684.00, Rat - Category: NA	No data available	No data available	No data available	No data available

**Note:** When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

## XII. ECOLOGICAL INFORMATION

### 12.1. Toxicity

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and GHS and is not classified as dangerous for the environment, but contains substance(s) dangerous for the environment. See section 3 for details

### Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Quartz (non respirable) - (14808-60-7)	Not Available	Not Available	Not Available

Petroleum distillates, hydrotreated light - (64742-47-8)	45.00, Pimephales promelas	4,720.00, Dendronereides heteropoda	Not Available
2-Butanone oxime - (96-29-7)	320.00, Leuciscus idus	500.00, Daphnia magna	83.00 (72 hr), Scenedesmus subspicatus
(Trimethoxysilylpropyl)ethylenediamine - (1760-24-3)	597.00, Danio rerio	81.00, Daphnia magna	126.00 (72 hr), Scenedesmus subspicatus

### 12.2. Persistence and degradability

There is no data available on the preparation itself.

### 12.3. Bioaccumulative potential

Not Measured

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

### 12.6. Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Potentially toxic to aquatic life.

## XIII. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

## XIV. TRANSPORT INFORMATION

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICA/IATA
14.1 UN number	Not Applicable	Not Regulated	Not Regulated
14.2 UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
14.3 Transport hazard class(es)	DOT Hazard Class: Not Applicable	IMDG: Not Applicable  Sub Class: No Applicable	Air Class: Not Applicable
14.4 Packing group	Not Applicable	Not Applicable	Not Applicable



#### 14.5 Environmental hazards

IMDG

Mariner Pollutant: No

14.6 Special precautions for user

No further information

### XV. REGULATORY INFORMATION

- **Regulatory Overview:** The regulatory data in Section 15 is regulations are represented.
- **Toxic Substance Control Act ( TSCA):** All components of this material are either listed or exempt from listing on the TSCA Inventory.
- **WHMIS Classification:** B3 D2A
- **US EPA Tier II Hazards:**
  - Fire: Yes
  - Sudden Release of Pressure: No
  - Reactive: No
  - Immediate (Acute): Yes
  - Delayed (Chronic): Yes
- **EPCRA 311/312 Chemicals and RQs:** To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
- **EPCRA 302 Extremely Hazardous:** To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
- **EPCRA 313 Toxic Chemicals:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
- **California Proposition 65 - Carcinogens (>0.0%)**
- This product may contain trace amounts of benzene, ethyl benzene and toluene which are known by the State of California to cause cancer, birth defects or other reproductive harm.

### XVI. OTHER INFORMATION

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

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