

# Safety Data Sheet

## EnerFlex-SP 300



### 1. PRODUCT DETAILS:-

Product name: - EnerFlex-SP 300

Use: - Roof Waterproofing

Company Details:-

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### 2. COMPOSITION AND INFORMATION ON HAZARDOUS INGREDIENTS:-

| Chemical name                                  | CAS NO.    | %(w/w)  |
|--|------------|---------|
| Dimethyl siloxane, hydroxy terminated          | 70131-67-8 | 60 -70% |
| Limestone                                      | 1317-65-3  | 20-50%  |
| Distillates (petroleum), hydrotreated light    | 64742-47-8 | 5-15%   |
| Titanium Dioxide                               | 13463-67-7 | 5-10%   |
| Butan-2-one O,O',O''-(methylsilyldiyl)trioxime | 22984-54-9 | 1-5%    |
| Silicon dioxide                                | 7631-86-9  | 5-10%   |
| Octamethylcyclotetrasiloxane                   | 556-67-2   | 1-2%    |

### 3. PHYSICAL AND CHEMICAL PROPERTIES:-

Physical Form : Liquid  
Color : White  
Odour : Mild solvent  
Viscosity :6000-7000 cPs  
Solvent content-water : 0%

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### **4. HAZARD IDENTIFICATION:-**

4.1 Overall Hazard Classification: Not hazardous.

### **5. FIRST AID MEASURES:-**

- 5.1 Ingestion: No first aid should be needed.
- 5.2 Eye: Immediately flush with water for 15 minutes.
- 5.3 Skin: Remove from skin and wash thoroughly with soap and water or waterless cleanser. Get medical attention if irritation or other ill effects develop or persist.
- 5.4 Inhalation: Remove to fresh air. Get medical attention if ill effects persist.
- 5.5 Comments: Treat according to person's condition and specifics of exposure.

### **6. FIRE FIGHTING MEASURES:-**

- 6.1 Extinguishing Media: On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO<sub>2</sub>), dry chemical or water spray. Water can be used to cool fire exposed containers.
- 6.2 Unsuitable Extinguishing Media: None established.
- 6.3 Unusual Fire Hazards: None.
- 6.4 Special Firefighting Procedures: Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool. Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals.
- 6.5 Other Recommendations: None.
- 6.6 Hazardous Combustion Products: Carbon oxides and traces of incompletely burned carbon compounds, Metal oxides, Sulfur oxides, Formaldehyde.

### **7. ACCIDENTAL RELEASE MEASURE:-**

- 7.1 Personal Precautions: Avoid skin and eye contact. Do not take internally.
- 7.2 Environmental Precautions: Do not allow large quantities to enter drains or surface waters.
- 7.3 Methods for Cleaning up: Observe all personal protective equipment recommendations described in this MSDS. Laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which laws and regulations are applicable.

### **8. HANDLING AND STORAGE:-**

- 8.1 Handling Precautions: Use with adequate ventilation. Avoid eye contact. Do not take internally. Exercise good industrial hygiene practice. Wash after handling, especially before eating and drinking.
- 8.2 Storage Conditions: Contents under pressure. Do not store above 120° C or in direct sunlight.
- 8.3 Unsuitable Packaging Materials: None established

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### **9. EXPOSURE CONTROL/PERSONAL PROTECTION:-**

#### 9.1 Engineering Controls:

Local Ventilation: Recommended

General Ventilation: Recommended

#### 9.2 Personal Protective Equipment for Routine Handling

Respiratory protection: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. IH personnel can assist in judging the adequacy of existing engineering controls.

Suitable Respirator: Organic Vapor/Dust/Mist Type.

Eye: Use chemical worker's goggles.

Hand: Chemical protective gloves should be worn.

Skin: Wash at mealtime and end of shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Chemical protective gloves are recommended.

Personal Hygiene: Exercise good industrial hygiene practice. Wash after handling, especially before eating and drinking.

#### 9.3 Personal Protective Equipment for Spills:-

Respiratory protection: Use self-contained breathing apparatus or other supplied-air respirator.

Eye protection: Use full face respirator.

Skin protection: Wash at mealtime and end of shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Chemical protective gloves are recommended.

Precautionary Measures: Avoid skin and eye contact. Avoid breathing vapor, mist, dust, or fumes. Keep container closed. Do not take internally. Use reasonable care.

### **10. STABILITY AND REACTIVITY:-**

10.1 Stability: Stable.

10.2 Conditions to avoid: None.

10.3 Materials to avoid: Can react with strong oxidizing agents.

10.4 Hazardous Decomposition Products: Carbon oxides and traces of incompletely burned carbon compounds, Metal oxides, Sulfur oxides, Formaldehyde.

10.5 Hazardous Polymerization: Hazardous polymerization will not occur.

### **11. TOXICOLOGICAL INFORMATION:-**

#### 11.1 Possible Health Effects

##### *Acute*

Skin: No significant irritation expected from a single short-term exposure.

Eye: Direct contact may cause mild irritation.

Inhalation: Vapor and/or mist may irritate nose and throat. Overexposure by inhalation may cause drowsiness, dizziness, confusion or loss of coordination.

Ingestion: Low ingestion hazard in normal use.

##### *Chronic*

Skin: Repeated or prolonged exposure may cause defatting and drying of skin which may result

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in skin irritation and dermatitis.

Inhalation: Overexposure by inhalation may injure the following organ(s): Nervous system.

Ingestion: Repeated ingestion or swallowing large amounts may injure internally.

### **12. ECOLOGICAL INFORMATION:-**

#### 12.1 Environmental Fate and Distribution

The organic components contained in the product are biodegradable; however they are not classified as readily biodegradable. Organic solvents may evaporate into the atmosphere, where they degrade.

12.2 Environmental Effects: No adverse effects on aquatic organisms are predicted.

Bioaccumulation: High potential to bioaccumulation.

12.3 Fate and Effects in Waste Water Treatment Plants

No adverse effects on bacteria are predicted.

### **13. DISPOSAL INFORMATION:-**

13.1 Product Disposal: Dispose of in accordance with local regulations.

13.2 Packaging Disposal: Dispose of in accordance with local regulations.

### **14. TRANSPORTATION INFORMATION:-**

Proper Shipping Name: Silicone coating

14.1 Road and Rail Transport: Not Applicable

14.2 Sea transport (IMDG)

Not subject to IMDG code

14.3 Air Transport (IATA)

Not subject to IATA Regulation

Hazard Label(s): non-flammable, non-Hazardous

### **15. REGULATORY INFORMATION:-**

#### 15.1 Classification and Labelling

Proposed Classification: Not hazardous.

Risk Phrases: Not hazardous.

Safety Phrases: S23(S) do not breathe spray.

S24/25 Avoid contact with skin and eyes.

S51 Use only in well-ventilated areas.

15.2 Applicable Laws: Occupational Safety and Health (Classification, Packaging and Labeling of Hazardous Chemicals) Regulations 1997

15.3 Chemical Inventories

AICS: All ingredients listed or exempt.

EINECS: All ingredients listed or exempt.

MITI: All components are listed on ENCS or its exempt rule.

KECL: All ingredients listed, exempt or notified.

IECSC: All ingredients listed or exempt.

HSNO: All ingredients listed or exempt.

TSCA: Not determined.

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DSL: Not determined.  
PICCS: Not determined.

### **16. OTHER INFORMATION:-**

Prepared By: - ENERCON Specialist LLC

This information is offered in good faith as typical values and not as a product specification. No warranty, expressed or implied, is hereby made.

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