1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifiers

Product name: **SIP 1134 Asphalt Seal Coat**
Common name: Epoxidized Acrylated Soybean Oil emulsion
Used in applications that require a plasticizer, an elastomer, a rejuvenator, i.e. adhesives, coatings, asphalt, and concrete

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: concrete and asphalt rejuvenation and maintenance

1.3 Details of the supplier of the safety data sheet

Company: SoyLei Innovations
2901 S Loop Dr, Suite 3114,
Ames, IA 50010

1.4 Emergency telephone number

Email: information@soylei.com
Cell: (515) 329-0168

2. Hazards Identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Skin sensitization (Category 1), H317
For the full text of the H-Statements mentioned in this Section, see Section 16.GHS Label elements, including precautionary statements.

2.2 GHS Label elements, including precautionary statements.

Pictogram:	Not Applicable
Signal word:	No signal word

Hazard statement(s)
No known significant critical hazards
Precautionary statement(s)

General:	Not Applicable
Prevention:	Not Applicable
Response:	Not Applicable
Storage:	Not Applicable
Disposal:	Not Applicable

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS 56.

Eye Damage/Eye Irritation Category 1

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Component	Classification	Concentration
Soybean Oil epoxidized acrylate* CAS-No. 91722-14-4	Skin sensitization (Category 1), H317	0-100%
Water	None	0-100%
Ethoxylated Acetylenic Diols*	Eye Damage/Eye Irritation Category 1	0-10%
Biobased emulsifiers*	None	0-10%
Methylparaben (biocide)*	None	0-3%
Propylparaben (biocide)*	None	0-3%

*The exact percentage (concentration) of composition has been withheld as a trade secret.
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
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

5.2 Special hazards arising from the substance or mixture.

No data available

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

No data available

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. 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.

Soak up with inert absorbent material and dispose of it as hazardous waste. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

6.5 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. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities.

Keep container refrigerated tightly closed in a dry and well-ventilated place. Heat sensitive.
Do not allow to freeze

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 Components with workplace control parameters

Not Applicable

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.

8.3 Personal protective equipment

Eye/face protection
Face shield or safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin protection
Handle with gloves.
Gloves must be inspected prior to use. Use proper glove removal technique (without touching the 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.
Control of environmental exposure
Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance Form:	Liquid, white
Color:	Milky, Beige
Odor:	No Odor
Odor Threshold:	No data available
pH:	Neutral
Melting point/freezing point:	0°C
Initial boiling point and boiling range:	100°C
Flash point:	315 °C, 599 °F
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower explosive limits:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Relative density:	1.04 g/cm^3 at 25 °C (77 °F)
Water solubility:	Completely soluble in water
Partition coefficient:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	0-200 Cp
Oxidizing properties:	No data available

9.2 Other safety information

No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical Stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Product will not undergo hazardous polymerization.

10.4 Conditions to avoid

Excess heat

10.5 Incompatible materials

Strong oxidizing agents, strong mineral acids

10.6 Hazardous decomposition products

Carbon monoxide and carbon dioxide may be given off during combustion or oxidation.
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

Inhalation: Labored breathing and mild irritation of the lungs may occur
Ingestion: Mild irritation of the mouth, tongue, esophagus, and stomach may occur
Skin corrosion/irritation: Non-sensitizing to skin
Serious eye damage/eye irritation: Mild eye irritation may occur.
Respiratory or skin sensitization:
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.
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 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.
Additional Information
RTECS: Not available to the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

24-hr LC50 (brine shrimp):	240 mg/L
Oral LD50 (rat):	24 g/kg, practically non-toxic to rats
Dermal LD50 (rabbit):	20 g/kg, practically non-toxic to rabbits
Inhalation LC50 (rat):	No deaths after 8 hours of concentrated vapors

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 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

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

SARA 313 Components

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

Massachusetts Right to Know Components

No components are subject to the Massachusetts Right to Know Act.

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