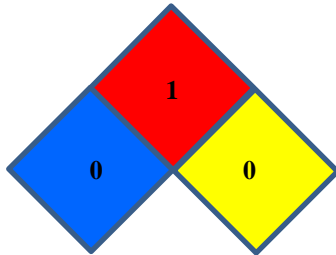


1. PRODUCT AND COMPANY IDENTIFICATION

Company Name	LANDLOCK Natural Paving, Inc.
Product Trade Name	LL-RFL-PGMT
Product Common Name	LANDLOCK Reflective Pigment
Country of Origin	United States

2. HAZARD(S) IDENTIFICATIONS



According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of Product:

The product is not classified according to Globally Harmonized System (GHS)



Hazardous Pictogram

Single word (GHS): Warning

Hazardous Statements:

H302 – Harmful if swallowed, 3

H319 – Causes serious eye irritation, 2A

Precautionary Statements:

P270 – Do not eat, drink or smoke when using this product

P337 + 313 – If eye irritation persists get medical advice/attention

3. COMPOSITION/INFORMATION ON INGREDIENTS

- **Chemical characterization:** Mixtures

- **Description:** Mixture of substances listed below with nonhazardous additions.

Components	CAS Number	Concentration %
Reflective Powder (stabilized) H228: Flammable Solid, 1	7429-90-5	30 - 32
Dimethylethanolamine H226: Flammable Liquid, 3 H318: Eye Damage, 1 H302: Acute Toxin, 4 H315: Skin Irritant, 2 H335: May cause respiratory irritation, 3	108-01-0	< 1.0
Isopropyl Alcohol H226: Flammable Liquid, 2 H318: Eye Damage / Irritant, 2A	67-63-0	7.0 – 9.0

4. FIRST-AID MEASURES

Description of First Aid measures

- After inhalation:** Supply fresh air; consult doctor in case of complaints.
- After skin contact:** Generally, the product does not irritate skin; consult doctor in case of complaints.
- After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing:** Seek medical treatment.
- Most important symptoms and effects, both acute and delayed:** No further relevant information available.
- Indication of any immediate medical attention and special treatment needed:** No further relevant information available.

5. FIRE-FIGHTING MEASURES

Extinguishing media

- Suitable extinguishing agents:** CO₂, extinguishing powder or water spray. Fight larger fire with alcohol resistant foam. Use firefighting measures that suit the environment.
- For safety reasons unsuitable extinguishing agents:** Water with full jet.
- Special hazards arising from the substance or mixture:** No further relevant information is available.

Advice for firefighters

- Protective equipment:** No special measures required.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures:** Not required.
- Environmental precautions:** Do not allow to enter sewers / surface or ground water.
- Methods and materials for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- Reference to other sections:** No dangerous substances released.

7. HANDLING AND STORAGE

Handling:

- Precautions for safe handling:** No special measures required. Store in cool dry place in tightly closed receptacles.
- Emergency eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Avoid contact with eyes. Use personal protective equipment. Do not eat, drink or smoke when using product.

Storage:

- Information about protection against explosions and fires:** No special measures required.
- Conditions for safe storage, including and incompatibilities:** No special measures required.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

General protective and hygienic measures

All usual precautionary measures for handling chemicals should be followed.

- Breathing Equipment:** Not Required.
- Protection of hands:** The glove material has to be impermeable and resistant to product (consult your gloves supplier for best suited recommendation).
- Eye protection:** Goggles recommended during use / refilling.
- Body protection:** Protective work clothing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

(Contd. of page 2)

- Components with limit values that require monitoring at workplace:** Aluminum powder (stabilized) 7429-90-5
 - PEL – Long-term value: 15*, 15** mg/m³ (*Total dust; ** Respirable fraction)
 - REL – Long-term value: 10*, 5** mg/m³ (*Total dust; ** Respirable fraction)
 - TLV – Long-term value: 1*, mg/m³ as Al (*as Respirable fraction)

9. PHYSICAL AND CHEMICAL PROPERTIES

- Information on basic physical and chemical properties**

General Information

Form Liquid

Color Silver

Odor Characteristic

Change in condition

Melting point/Melting range undetermined

Boiling point/Boiling range 100 °C (212 °F)

Flash Point >100 °C (>212 °F)

Auto igniting Product is not self-igniting

Danger of explosion Product does not present an explosion hazard

Vapor pressure at 20 °C (68 °F) 23 hPa (17 mmHg)

Density at 20 °C (68 °F) 8.5 lbs. / gallon ± .5 lbs.

Solubility / Miscibility in water Partly soluble

VOC 6 – 10%

Solids 35% ± 1%

10. STABILITY AND REACTIVITY

Reactivity

Chemical stability

- Thermal decomposition / conditions to avoid:** No decomposition if used and stored according to specifications.
- Possibility of hazardous reactions:** No dangerous reactions known.
- Incompatible materials:** No further relevant information available.
- Hazardous decomposition products:** No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute Toxicity: Harmful if swallowed.

Primary Irritant effect:

- Skin:** No Irritant effect.
- Eyes:** Causes serious eye irritation.
- Sensitization:** No sensitizing effect known.
- Incompatible materials:** No further relevant information available.
- Hazardous decomposition products:** No dangerous decomposition products known.

Carcinogenic categories:

- IARC (International Agency for Research on Cancer):** None of the ingredients is listed.
- NTP (National Toxicology Program):** None of the ingredients is listed.
- OSHA-Ca. –** None of the ingredients are listed.

12. ECOLOGICAL INFORMATION

Toxicity

- Aquatic toxicity:** No further relevant information available.
- Persistence and degradability:** No further relevant information available.
- Bio accumulative potential:** No further relevant information available.
- Mobility in soil:** No further relevant information available.

Additional ecological information:

- General notes:** Do not allow undiluted product or large quantities of it to reach ground, water course or sewage.

Results of PBT and vPvB assessment

- PBT:** Not applicable
- vPvB:** Not applicable

Other adverse effects: No further relevant information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods: Dispose of in accordance with national, state and local regulations. It is the waster generator's responsibility to determine particular waste is hazardous under RCRA.

Container disposal: Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

14. TRANSPORT INFORMATION

UN-Number:

DOT, ADR, ADN, IMDG, IATA Not applicable

UN proper shipping :

DOT, ADR, ADN, IMDG, IATA Not applicable

Transport hazard class(es):

DOT, ADR, ADN, IMDG, IATA Not applicable

Packaging group:

DOT, ADR, ADN, IMDG, IATA Not applicable

Environmental hazards:

Marine pollutant No

Special precautions for user: Not applicable

Transport in bulk according to Annex

II of MARPOL78/78 and IBC code: Not applicable

Transport/Additional information: Not dangerous according to above specifications

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for substance or mixture

- SARA Section 355 (extremely hazardous substances)** – None of the ingredients are listed.
- SARA Section 313 (specific toxic chemical listings)** – 7429-90-5 Aluminum (fumes and dust).
- TSCA (Toxic Substances Control Act)** – All ingredients are listed.
- Prop 65** – None of the ingredients are listed.

Carcinogenic categories

- EPA (Environmental Protection Agency):** None of the ingredients are listed.
- TLV (Threshold Limit Value established by ACGIH):** None of the ingredients are listed.
- NIOSH-Ca (National Institute for Occupational Safety and Health):** None of the ingredients are listed.

16. OTHER INFORMATION

