



SAFETY DATA SHEET

1. Identification

Identification

Product name: EASY SAFE 1k FLOOR FINISH

Additional identification

Chemical name: Acrylic Nanopolymer Polyurethane Mixture

Recommended use and restriction on use

Recommended use: Residential, Commercial, Industrial Wood Interiors
Restrictions on use: For professional use. 48 hour fresh air cross ventilation curing period recommended after application.

Details of the supplier of the safety data sheet

Supplier

Company: Earthpaint Incorporated
Name: Address: PO BOX 19129 Asheville, NC
Telephone: 28815 828-258-2580
Web : www.earthpain.net,
Email: support@earthpaint.net

Emergency telephone number:
Nationwide Poison Center Hotline 1-800-222-1222

2. Hazard(s) identification

Hazard Classification

Health Hazards

Serious Eye Damage/Eye Irritation Category 2A
Toxic to reproduction Category 1B

Unknown toxicity

Acute toxicity, oral 0.0 %
Acute toxicity, dermal 0.0 %
Acute toxicity, inhalation, vapor 42.9 %
Acute toxicity, inhalation, dust or mist 38.4 %

Label Elements:

Hazard Symbol:



Health	*	1
Flammability		1
Physical Hazards		0

Signal Word: Danger

Hazard Statement: Causes serious eye irritation.
May damage fertility or the unborn child.

**Precautionary Statement:**

Prevention:	Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.
Response:	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If exposed or concerned: Get medical advice/attention.
Storage:	Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification:	None identified.

3. Composition/information on ingredients

Chemical name	CAS number	Percent by Weight
Cyclic amide	872-50-4	1 - 5%
2-Pyrrolidinone, 1-ethyl-	2687-91-4	1 - 5%

4. First-aid measures

Ingestion:	Rinse mouth. Get medical attention if symptoms occur.
Inhalation:	Remove exposed person to fresh air if adverse effects are observed.
Skin Contact:	Take off contaminated clothing and wash before re-use. Wash with soap and water. If skin irritation occurs, get medical attention.
Eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Most important symptoms/effects, acute and delayed

Symptoms: See section 11.

Indication of immediate medical attention and special treatment needed

Treatment: Treat symptomatically.

5. Fire-fighting measures

General Fire Hazards: No unusual fire or explosion hazards noted.



Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: CO2, dry chemical, foam, water spray, water fog.

Unsuitable extinguishing media: Not determined.

Specific hazards arising from the chemical: See section 10 for additional information. Material will not burn until water has been evaporated. Container may rupture on heating.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: No data available.

Special protective equipment for fire-fighters: Wear full protective firegear including self-containing breathing apparatus operated in the positive pressure mode with full facepiece, coat, pants, gloves and boots.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Ventilate area if spilled in confined space or other poorly ventilated areas. Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations.

Methods and material for containment and cleaning up: Dike far ahead of larger spill for later recovery and disposal. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material. Wash area with soap and water. Spilled liquid and dried film are slippery. Use care to avoid falls. Stop the flow of material, if this is without risk. Prevent entry into waterways, sewer, basements or confined areas.

Environmental Precautions: Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.

7. Handling and storage

Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Avoid contact with eyes. Observe good industrial hygiene practices. Provide adequate ventilation. Use personal protective equipment as required. Wash hands thoroughly after handling. Launder contaminated clothing before reuse. Avoid contact with eyes and prolonged or repeated contact with skin. Avoid breathing mists or vapors. When using do not eat, drink or smoke. Stir well before use. Keep containers closed when not in use. Minimize contact with air to reduce contamination with mold, fungus, or other organisms which could cause decomposition or spoilage. Wash thoroughly after handling.

Maximum Handling Temperature: Not determined.

Conditions for safe storage, including any incompatibilities: Store away from incompatible materials. See section 10 for incompatible materials. Keep from freezing. Do not store in open, unlabeled or mislabeled containers.

Maximum Storage Temperature: Not determined.



8. Exposure controls/personal protection

Control Parameters:

Occupational Exposure Limits

None of the components have assigned exposure limits.

Appropriate engineering controls:

Use material in well ventilated area only. Adequate ventilation should be provided so that exposure limits are not exceeded. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:

Provide easy access to water supply and eye wash facilities. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Eye/face protection:

Safety glasses. If potential for splash or mist exists, wear chemical goggles or faceshield.

Skin Protection

Hand Protection:

Neoprene. Suitable gloves can be recommended by the glove supplier. Use good industrial hygiene practices to avoid skin contact. If contact with the material may occur wear chemically protective gloves.

Other:

Chemical resistant boots. Gloves, coveralls, apron, boots as necessary to minimize contact. Gloves, coveralls, apron, boots as necessary to minimize contact.

Respiratory Protection:

Use respirator with an organic vapor cartridge if exposure limit is exceeded. A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator. Under normal use conditions, respirator is not usually required. Use appropriate respiratory protection if exposure to dust particles, mist or vapors is likely. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites. Under normal use conditions, respirator is not usually required. Use appropriate respiratory protection if exposure to dust particles, mist or vapors is likely. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.

Hygiene measures:

Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Observe good industrial hygiene practices. Avoid contact with eyes.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	liquid
Color:	White



Odor:	Slight amine
Odor threshold:	No data available.
pH:	7.5 - 9
Freezing point:	Approximate 0 °C
Boiling Point:	Approximate 212 °F (100 °C)
Flash Point:	Not applicable.
Evaporation rate:	< 1 n-butyl acetate=1
Flammability (solid, gas):	No data available.
Upper/lower limit on flammability or explosive limits	
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	Approximate 18 torr (25 °C 77 °F)
Vapor density:	< 1
Relative density:	1.06 68 °F (20 °C)
Solubility(ies)	
Solubility in water:	Dispersible
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	< 250 mPa.s (77 °F (25 °C))
Other information	
Bulk density:	Approximate 8.83 lb/gal 77 °F (25 °C)
VOC:	6.89 %
Percent Solid:	Approximate 36 % (Percent by Weight)
Percent volatile:	62 - 65 %(Percent by Weight)

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	Will not occur.
Conditions to avoid:	Do not freeze.
Incompatible Materials:	Strong oxidizers Acidic conditions will cause the polymer to precipitate out of solution.
Hazardous Decomposition Products:	Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide , nitrogen oxides, and other products of incomplete combustion. Irritating and toxic substances may be emitted upon combustion, burning, or decomposition of dry solids. May also include isocyanates and small amounts of hydrogen cyanide.



11. Toxicological information

Information on likely routes of exposure

Inhalation:	No data available.
Ingestion:	No data available.
Skin Contact:	Causes mild skin irritation.
Eye contact:	Causes serious eye irritation.

Information on toxicological effects

Acute toxicity

Oral

Product: May cause irritation of the gastrointestinal tract. Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea, and abdominal pain.
ATEmix > 10,000 mg/kg.

Dermal

Product: Components of this material may be absorbed through the skin.
Not classified for acute toxicity based on available data.

Inhalation

Product: Overexposure to vapors or mist may cause dizziness, headache, nausea, and/or flu-like symptoms. Avoid inhalation of mists or vapors. Persons with sensitive airways (e.g., asthmatics) may react to vapors.
Not classified for acute toxicity based on available data.

Skin Corrosion/Irritation:

Product: Pre-existing skin conditions may be aggravated by prolonged or repeated exposure. Prolonged or repeated exposure may cause severe irritation.
Remarks: Causes mild skin irritation.

Serious Eye Damage/Eye Irritation:

Product: Remarks: At processing or combustion temperatures this product may emit fumes and vapors that cause irritation, possibly severe, to the eyes.
Remarks: Causes serious eye irritation.

Respiratory sensitization:

Product: Remarks: Under decomposition conditions, isocyanates may be generated from this product. Isocyanates can cause skin sensitization and/or respiratory sensitization.

Skin sensitization:

Product: Remarks: Under decomposition conditions, isocyanates may be generated from this product. Isocyanates can cause skin sensitization and/or respiratory sensitization.

Cyclic amide Classification: Not a skin sensitizer. (Literature) Not a skin sensitizer.

Specific Target Organ Toxicity - Single Exposure:

Product:



Cyclic amide Respiratory tract irritation.

Aspiration Hazard:

No data available

Other effects:

Product:

Persons with sensitive airways (e.g., asthmatics) may react to vapors.

Chronic Effects

Carcinogenicity:

No data available

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

Germ Cell Mutagenicity:

Cyclic amide

In vitro mutagenicity tests have been negative.

2-Pyrrolidinone, 1-ethyl-

The Ames Salmonella test for mutagenicity was negative for this product.

Reproductive toxicity:

Cyclic amide

This material may have adverse effects on the reproductive systems or to fetal development. Fetal effects have been seen in pregnant animals exposed by ingestion, inhalation and skin contact to cyclic amide, which has occurred in the presence and absence of maternal toxicity.

2-Pyrrolidinone, 1-ethyl-

May damage the unborn child. Suspected of damaging fertility.

Specific Target Organ Toxicity - Repeated Exposure:

Product:

In a 4 week inhalation study with rats, cyclic amide caused effects on the lung, thymus, blood and lymph tissues. Repeated and prolonged ingestion of cyclic amide caused increased severity of spontaneous progressive nephropathy in male rats, and increased liver weight and cell hypertrophy in male and female mice.

Cyclic amide

Unknown: Target Organ(s): Central nervous system.

12. Ecological information

**Ecotoxicity
Fish**



Cyclic amide	LC 50 (Rainbow Trout, 4 Days): > 500 mg/l
Aquatic Invertebrates	
Cyclic amide	EC 50 (Water flea (Daphnia magna), 1 d): > 1,000 mg/l EC 50 (Water flea (Daphnia magna), 21 d): 12.5 mg/l NOEC (Water flea (Daphnia magna), 21 d): 12.5 mg/l
Toxicity to Aquatic Plants	
Cyclic amide	EC 50 (Green algae (Scenedesmus quadricauda), 3 d): 600.5 mg/l
Toxicity to soil dwelling organisms	No data available
Sediment Toxicity	No data available
Toxicity to Terrestrial Plants	No data available
Toxicity to Above-Ground Organisms	No data available
Toxicity to microorganisms	No data available
Persistence and Degradability	
Biodegradation	
Cyclic amide	OECD TG 301 C, 73 %, 28 d, Readily biodegradable
Bioaccumulative Potential	
Bioconcentration Factor (BCF)	No data available
Partition Coefficient n-octanol / water (log Kow)	
Cyclic amide	Log Kow: -0.46 (Measured)
2-Pyrrolidinone, 1-ethyl-	Log Kow: -0.04 (Measured)
Mobility:	No data available
Other Adverse Effects:	No data available.

13. Disposal considerations

Disposal instructions:	Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Dispose of packaging or containers in accordance with local, regional, national and international regulations. Empty container contains product residue which may exhibit hazards of product.
Contaminated Packaging:	Container packaging may exhibit hazards.

14. Transport information

DOT
Not regulated.



IMDG

Not regulated.

IATA

Not regulated.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

None known.

The DOT shipping information in this section is based on a bulk container. Please review the accompanying shipping papers for the correct shipping descriptions based the size of the package. Shipping descriptions may vary based on mode of transport, quantities, temperature of the material, package size, and/or origin and destination. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material. During transportation, steps must be taken to prevent load shifting or materials falling, and all relating legal statutes should be obeyed. Review classification requirements before shipping materials at elevated temperatures.

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4)

None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 311 Classifications

Immediate (Acute) Health Hazards

Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

<u>Chemical Identity</u>	<u>CAS number</u>	<u>Percent by Weight</u>	<u>Reportable quantity</u>
Butyl cellosolve	111-76-2	140.0 PPM	*See regulation for further details

*These specific chemicals are not listed please check the generic entries on the SARA 304 listings for applicability.

SARA 313 (TRI Reporting)

<u>Chemical Identity</u>	<u>CAS number</u>	<u>Percent by Weight</u>	<u>Reporting threshold for other uses</u>	<u>Reporting threshold for manufacturing and processing</u>
Cyclic amide	872-50-4	4.5 %	10000 lbs	25000 lbs

US State Regulations

US. California Proposition 65

This product may contain chemical(s) known to the state of California to cause cancer and/or birth defects. Additional information can be received upon request.



Inventory Status

Australia (AICS)

A component(s) of this product has been notified and assessed under the Industrial Chemicals (Notification and Assessment) Act, 1989. This product may be imported only by designated legal entities.

Canada (DSL/NDSL)

All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.

China (IECSC)

This product contains a substance or polymer that has been notified and is restricted to import by the notifier.

European Union (REACH)

To obtain information on the REACH compliance status of this product, please e-mail REACH@SDSInquiries.com.

Japan (ENCS)

All components are in compliance with the Chemical Substances Control Law of Japan.

Korea (ECL)

This product requires notification before sale in Korea.

New Zealand (NZIoC)

All components are in compliance with chemical notification requirements in New Zealand.

Philippines (PICCS)

All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).

Switzerland (SWISS)

All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.

Taiwan (TCSCA)

This product requires notification before sale in Taiwan.

United States (TSCA)

All components of this material are in compliance with Section 5 of TSCA. This material is manufactured under the Polymer Exemption rule.

The information that was used to confirm the compliance status of this product may deviate from the chemical information shown in Section 3.

16. Other information, including date of preparation or last revision
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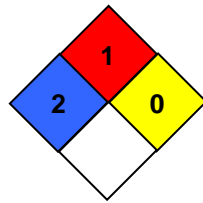
HMIS Hazard ID





Health	*	1
Flammability		1
Physical Hazards		0

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; *Chronic health effect



NFPA Hazard ID



-  Flammability
-  Health
-  Reactivity
-  Special hazard.

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

Issue Date:	03/11/2016
Version #:	2.1
Source of information:	Internal company data and other publically available resources.
Further Information:	Contact supplier (see Section 1)
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