

Material Safety Data Sheet

X-COAT 22 NANO

1. Product and company identification

Product name X-COAT 22 NANO
Code 86FF
Material uses Floor Finish
Manufacturer Essential Industries, Inc.
P.O. Box 12
28391 Essential Rd.
Merton, WI 53056-0012
United States
Phone: 011-262-538-1122

In case of emergency 1-800-843-6174
Validation date 1/30/2012.
Print date 1/30/2012.
Responsible name Regulatory Affairs Department

Hazardous Material Information System (U.S.A.)

| | | |
|---------------------|---|-------------------|
| Health | 1 | HAZARD RATING |
| Flammability | 0 | 4 = Extreme |
| Physical hazards | 0 | 3 = High |
| Personal protection | B | 2 = Moderate |
| | | 1 = Slight |
| | | 0 = Insignificant |

A = Goggles B = Goggles & Gloves C = Goggles, Gloves & Apron

2. Hazards identification

Potential acute health effects due to overexposure

Inhalation No known significant effects or critical hazards.
Ingestion No known significant effects or critical hazards.
Skin Slightly irritating to the skin.
Eyes Moderately irritating to eyes.

Potential chronic health effects due to overexposure

Carcinogenicity No known significant effects or critical hazards.
Mutagenicity No known significant effects or critical hazards.
Teratogenicity No known significant effects or critical hazards.
Developmental effects No known significant effects or critical hazards.
Fertility effects No known significant effects or critical hazards.

See toxicological information (section 8)

3. Composition/information on ingredients

| Name | CAS number | % |
|---------------------------|------------|-------|
| 2-(2-ethoxyethoxy)ethanol | 111-90-0 | 1 - 5 |

SARA 313 (Form R - Reporting requirements)

| Product name | CAS number | Concentration |
|---------------------------|------------|---------------|
| 2-(2-ethoxyethoxy)ethanol | 111-90-0 | 1.9 |

SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

4. First aid measures

Eye contact Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin contact In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

Inhalation Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

Ingestion Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Protection of first-aiders No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Notes to physician No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. Fire-fighting measures

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|---|---|
| Flammability of the product | In a fire or if heated, a pressure increase will occur and the container may burst. |
| Extinguishing media | |
| Suitable | Use an extinguishing agent suitable for the surrounding fire. |
| Special exposure hazards | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| Hazardous thermal decomposition products | Decomposition products may include the following materials: carbon dioxide carbon monoxide |
| Special protective equipment for fire-fighters | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |

6. Control and preventive measures

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|----------------|---|
| Storage | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. |
|----------------|---|

| Ingredient | Exposure limits |
|---------------------------|--|
| 2-(2-ethoxyethoxy)ethanol | AIHA WEEL (United States, 5/2010). TWA: 25 ppm, 0 times per shift, 8 hour(s). |

Personal protection

| | |
|--------------------|---|
| Respiratory | Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. |
| Hands | Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. |
| Skin | Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. |
| Eyes | Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. |

Methods for cleaning up

| | |
|-----------------------|--|
| Small spill | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| Waste disposal | The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. |

7. Physical and chemical properties

| | | | |
|-----------------------|----------------|-----------------------------------|---------------------------|
| Physical state | Liquid | Boiling/condensation point | 100°C (212°F) |
| Color | White | Melting/freezing point | 0°C (32°F) |
| Odor | Bland | Vapor pressure | <4 kPa (<30 mm Hg) [20°C] |
| VOC | <1% (w/w) | Vapor density | <1 [Air = 1] |
| pH | 7.0-8.0 | Weight per Gallon: | 8.58 lbs./gal. |
| 1% pH: | Not Available. | Specific Gravity: | 1.04 gm/ml |

8. Toxicological information

Acute toxicity

Product/ingredient name

| Product/ingredient name | Result | Species | Dose | Exposure |
|---------------------------|-----------------------|---------|-------------|----------|
| 2-(2-ethoxyethoxy)ethanol | LD50 Dermal | Rat | 6 mL/kg | - |
| | LD50 Dermal | Rabbit | 4200 uL/kg | - |
| | LD50 Intraperitoneal | Rat | 360 ug/kg | - |
| | LD50 Intravenous | Rat | 4 g/kg | - |
| | LD50 Oral | Rat | 7500 mg/kg | - |
| | LD50 Oral | Rat | 5500 uL/kg | - |
| | LD50 Subcutaneous | Rat | 6 g/kg | - |
| | LD50 Unreported | Rat | 7500 mg/kg | - |
| | LC50 Inhalation Vapor | Rat | >5240 mg/m3 | 4 hours |
| | | | | |

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|---------------------------|---------------|
| Conclusion/Summary | Not available |
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Chronic toxicity

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|---------------------------|---------------|
| Conclusion/Summary | Not available |
|---------------------------|---------------|

| 9. Transport information | | | | | | |
|--------------------------|---------------|----------------------|---------|-----|-------|------------------------|
| Regulatory Information | UN number | Proper shipping name | Classes | PG* | Label | Additional information |
| DOT Classification | Not regulated | - | - | - | | - |

PG* : Packing group