

Material Safety Data Sheet

X-COAT 22 NANO

1. Product and company identification

Product name	X-COAT 22 NANO	In case of emergency	1-800-843-6174
Code	86FF	Validation date	1/30/2012.
Material uses	Floor Finish	Print date	1/30/2012.
Manufacturer	Essential Industries, Inc. P.O. Box 12 28391 Essential Rd. Merton, WI 53056-0012 United States Phone: 011-262-538-1122	Responsible name	Regulatory Affairs Department

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

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

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

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

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.
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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

2-(2-ethoxyethoxy)ethanol

Result	Species	Dose	Exposure
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

Conclusion/Summary	Not available
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Chronic toxicity

Conclusion/Summary	Not available
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9. Transport information						
Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
DOT Classification	Not regulated	-	-	-		-

PG* : Packing group