

Material Safety Data Sheet

Pro Kote Gym Finish

1. Product and company identification

Product name	Pro Kote Gym Finish	Validation date	6/12/2012.
Material uses	Gym Finish	Print date	6/12/2012.
in case of emergency	1-800-843-6174	Responsible name	Regulatory Affairs Department
Supplier	E.A. Morse & Co., Inc. 11 - 25 Harding St. Middletown, NY 10940 Phone: 845-346-4700		

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

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

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

2. Hazards identification

Emergency overview CONTAINS MATERIAL THAT MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA. May be harmful if inhaled or swallowed. May cause eye and skin irritation.
Do not breathe vapor or mist. Do not ingest. Do not get in eyes. Avoid contact with skin and clothing. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.

Potential acute health effects due to overexposure

Inhalation May be harmful by inhalation.
Ingestion May be harmful if swallowed.
Skin May cause skin irritation. May be absorbed through skin with prolonged or repeated contact.
Eyes May cause eye irritation.

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-butoxyethoxy)ethanol	112-34-5	1 - 5
N-methyl-2-pyrrolidone	872-50-4	1 - 5
2-butoxyethanol	111-76-2	1 - 5

SARA 313 (Form R - Reporting requirements)

Product name	CAS number	Concentration
2-(2-butoxyethoxy)ethanol	112-34-5	3.9
N-methyl-2-pyrrolidone	872-50-4	1.3
2-butoxyethanol	111-76-2	1.3

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.

California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Ingredient name	Cancer	Reproductive	No significant risk level	Max acceptable dosage
N-methyl-2-pyrrolidone	No.	Yes.	No.	3200 µg/day (inhalation)

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 if irritation develops.

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

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.

4. First aid measures

Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
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 nitrogen oxides
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.
Flash point	Closed cup : >93.30°C (>200°F)

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
N-methyl-2-pyrrolidone	AIHA WEEL (United States, 5/2010). Absorbed through skin. TWA: 10 ppm 8 hour(s).
2-butoxyethanol	OSHA PEL (United States, 6/2010). Absorbed through skin. TWA: 50 ppm 8 hour(s).

Personal protection

Respiratory	None required with adequate ventilation. In situations where respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations.
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	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. 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	Yellow [Light]	Melting/freezing point	0°C (32°F)
Odor	Bland [Slight]	Vapor pressure	<4 kPa (<30 mm Hg)
VOC	254 gm/L	Vapor density	<1 [Air = 1]
pH	7.5 - 8.5	Weight per Gallon:	8.70 lbs/gal
		Specific Gravity:	1.04 gm/ml

8. Toxicological information

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
2-butoxyethanol	LD50 Oral	Rat	250 mg/kg	-
	LC50 Inhalation Vapor	Rat	2900 mg/m3	7 hours
	LC50 Inhalation Gas.	Rat	450 ppm	4 hours
2-(2-butoxyethoxy)ethanol	LD50 Oral	Rat	5660 mg/kg	-
N-methyl-2-pyrrolidone	LD50 Oral	Rat	3914 mg/kg	-

Conclusion/Summary Not available

Chronic toxicity

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