



# Material Safety Data Sheet

## Section 1. Chemical Product and Company Identification

**Product name** NEXT STEP 3 ENDURE 2000 PLUS  
**Product use** Floor Finish and Sealer  
**Product code** P235  
**Date of issue** 07/20/12 **Supersedes** 08/17/09

### Emergency Telephone Numbers

#### For MSDS Information:

Technical Services Group  
Telephone (780) 453-8100  
(Business Hours 8:00am - 5:00pm)

#### For Medical or Transportation Emergency

CANUTEC (24 Hours)  
(613) 996-6666 - Call Collect

#### Prepared By

Technical Services Group  
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Edmonton, Alberta T5S 1N6

## Section 2. Hazards Identification

### Emergency overview

Do not breathe vapor or mist. Contains material that may cause target organ damage, based on animal data.

**NOTE:** MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

### Acute Effects

#### Routes of Entry

Dermal contact. Eye contact. Inhalation.

#### Eyes

May cause eye irritation. Inflammation of the eye is characterized by redness, watering and itching.

#### Skin

No known significant effects or critical hazards.

#### Inhalation

No known significant effects or critical hazards.

#### Ingestion

No known significant effects or critical hazards.

### Chronic effects

Contains material which may cause damage to the following organs: kidneys, liver, central nervous system (CNS).

Prolonged skin contact may cause dermatitis with drying and cracking of skin.

**Additional Information: See Toxicological Information (Section 11)**

## Section 3. Composition/Information on Ingredients

### Name of Hazardous Ingredients

Name of Hazardous Ingredients	CAS number	% by Weight
2-(2-ETHOXYETHOXY)-ETHANOL; diethylene glycol monoethyl ether, ethoxydiglycol	111-90-0	1 - 5
DIPROPYLENE GLYCOL METHYL ETHER; dipropylene glycol monomethyl ether	34590-94-8	1 - 5

## Section 4. First Aid Measures

### Eye Contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

### Skin Contact

Flush affected skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

### 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. Get medical attention.

### Ingestion

If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Never give anything by mouth to an unconscious person. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention.

**Section 5. Fire Fighting Measures**

<b>Flash Point</b>	Not available.
<b>Flammable Limits</b>	Not determined.
<b>Flammability</b>	Non-combustible.
<b>Auto-ignition Temperature</b>	
<b>Fire-Fighting Procedures</b>	Use an extinguishing agent suitable for the surrounding fire. Wear special protective clothing and positive pressure, self-contained breathing apparatus.
<b>Fire hazard</b>	In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Products of Combustion</b>	carbon oxides (CO, CO <sub>2</sub> ) and other unidentified organic compounds
<b>Explosion hazard</b>	Not available.

**Section 6. Accidental Release Measures**

<b>Spill Clean up</b>	Put on appropriate personal protective equipment (see section 8). Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
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**Section 7. Handling and Storage**

<b>Handling</b>	Put on appropriate personal protective equipment (see section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Wash thoroughly after handling.
<b>Storage</b>	Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Store between the following temperatures: 40°F - 120°F (4.4°C - 49°C). 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. Keep out of the reach of children.

**Section 8. Exposure Controls/Personal Protection****Product name**

2-(2-ethoxyethoxy)ethanol

(2-methoxymethylethoxy)propanol

**Exposure limits****CA Ontario Provincial (Canada, 7/2010).**TWA: 165 mg/m<sup>3</sup> 8 hour(s).

TWA: 30 ppm 8 hour(s).

**CA Alberta Provincial (Canada, 4/2009). Absorbed through skin.**

8 hrs OEL: 100 ppm 8 hour(s).

15 min OEL: 909 mg/m<sup>3</sup> 15 minute(s).8 hrs OEL: 606 mg/m<sup>3</sup> 8 hour(s).

15 min OEL: 150 ppm 15 minute(s).

**CA British Columbia Provincial (Canada, 9/2010). Absorbed through skin.**

TWA: 100 ppm 8 hour(s).

STEL: 150 ppm 15 minute(s).

**CA Quebec Provincial (Canada, 6/2008). Absorbed through skin.**

TWA: 100 ppm 8 hour(s).

TWA: 606 mg/m<sup>3</sup> 8 hour(s).

STEL: 150 ppm 15 minute(s).


STEL: 909 mg/m<sup>3</sup> 15 minute(s).**CA Ontario Provincial (Canada, 7/2010). Absorbed through skin.**STEL: 909 mg/m<sup>3</sup> 15 minute(s).

STEL: 150 ppm 15 minute(s).

TWA: 606 mg/m<sup>3</sup> 8 hour(s).

TWA: 100 ppm 8 hour(s).

**Personal Protective Equipment (PPE)**

<b>Eyes</b>	Recommended: Safety eyewear should be used when there is a likelihood of exposure. Safety glasses.	
<b>Hands and Body</b>	Recommended: Chemical-resistant gloves. Neoprene Nitrile Rubber	
<b>Respiratory</b>	Recommended: Use with adequate ventilation. Avoid breathing vapors, spray or mists. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.	

**Section 9. Physical and Chemical Properties**

<b>Physical State</b>	Liquid.	<b>Color</b>	Milky-white Opaque.
<b>pH</b>	8.0 - 8.5	<b>Odor</b>	Ammoniacal. [Slight]
<b>Boiling Point</b>	102°C (215.6°F)	<b>Vapor Pressure</b>	Not determined.
<b>Specific Gravity</b>	1.04	<b>Vapor Density</b>	Not determined.
<b>Solubility</b>	Easily soluble in the following materials: cold water and hot water.	<b>Evaporation Rate</b>	1 (Water = 1)
<b>Freezing Point</b>		<b>VOC (Consumer)</b>	1 %

**Section 10. Stability and Reactivity**

<b>Stability and Reactivity</b>	The product is stable.
<b>Incompatibility</b>	Reactive or incompatible with the following materials: oxidizing materials and acids.
<b>Hazardous Polymerization</b>	Will not occur.
<b>Hazardous Decomposition Products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**Section 11. Toxicological Information**

**Carcinogenicity** Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

**Acute Toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
2-(2-ethoxyethoxy)ethanol	LC50 Inhalation Vapor	Rat	>200 mg/L	1 hours
	LD50 Dermal	Rabbit	9143 mg/kg	-
	LD50 Oral	Mouse	6301 mg/kg	-
	LD50 Oral	Rat	7500 mg/kg	-
	LD50 Oral	Rat	10502 mg/kg	-
(2-methoxymethylethoxy)propanol	LD50 Dermal	Rabbit	13000 mg/kg	-
	LD50 Oral	Rat	5220 mg/kg	-

**Section 12. Ecological Information**

**Environmental Effects** No known significant effects or critical hazards.

**Aquatic Ecotoxicity**

2-(2-ethoxyethoxy)ethanol	-	Acute LC50 3340000 ug/L Fresh water	Daphnia - Water flea - Daphnia magna - Neonate - 0 to 24 hours	48 hours
	-	Acute LC50 6010000 ug/L Fresh water	Fish - Channel catfish - Ictalurus punctatus - 0.72 g	96 hours

**Section 13. Disposal Considerations****Waste Information**

Waste must be disposed of in accordance with applicable regulations. Consult your local or regional authorities for additional information.

**Waste Stream****Section 14. Transport Information**

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
<b>TDG Classification</b>	Not regulated.	-	-	-		-
<b>IMDG Class</b>	Not available.	Not available.	Not available.	-		-

**NOTE:** DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment. Limited Quantity: Small quantities of controlled goods are not regulated as Dangerous Goods according to TDG regulations.

PG\* : Packing group

**Section 15. Regulatory Information****Canada****WHMIS (Canada)**

Class D-2B: Material causing other toxic effects (Toxic).

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**Section 16. Other Information**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.  
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution.  
Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*