

# Material Safety Data Sheet

MAXX DURABLE FLOOR FINISH PART A



## 1. Product and company identification

Trade name of product : MAXX DURABLE FLOOR FINISH PART A  
Product use : Floor care product

Product dilution information : 94.7% Part A with 5.3% Part B

Supplier's information : Ecolab Co.  
5105 Tomken Road  
Mississauga ON L4W 2X5  
1-800-352-5326

Code : 913641-01

Date of issue : 07-March-2011

EMERGENCY HEALTH INFORMATION: 1-800-328-0026  
Outside United States and Canada CALL 1-651-222-5352 (in USA)

## 2. Hazards identification

**Product AS SOLD**

Physical state : Liquid.  
Emergency : CAUTION !  
overview

No specific hazard.

No specific hazard.

Routes of entry : Skin contact, Eye contact, Inhalation, Ingestion

### Potential acute health effects

**Product AS SOLD**

Eyes : No known significant effects or critical hazards.  
Skin : No known significant effects or critical hazards.  
Inhalation : No known significant effects or critical hazards.  
Ingestion : No known significant effects or critical hazards.

See toxicological information (section 11)

**Product AT USE DILUTION**

Liquid.  
CAUTION !

MAY CAUSE EYE IRRITATION.  
MAY CAUSE ALLERGIC SKIN REACTION.  
Avoid contact with eyes, skin and clothing.  
Wash thoroughly after handling.

**Product AT USE DILUTION**

Moderately irritating to eyes.  
Slightly irritating to the skin. May cause sensitisation by skin contact.  
Slightly irritating to the respiratory system.  
No known significant effects or critical hazards.

## 3. Composition/information on ingredients

**Product AT USE DILUTION**

Name	CAS number	% by weight
hexane, 1,6-diisocyanato-, homopolymer	28182-81-2	3 - 7

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting, in accordance with local regulations.

## 4. First-aid measures

	Product AS SOLD	Product AT USE DILUTION
<b>Eye contact</b>	: No known effect after eye contact. Rinse with water for a few minutes.	In case of contact, immediately flush eyes with plenty of water. Remove contact lenses and flush again. Get medical attention if irritation persists.
<b>Skin contact</b>	: No known effect after skin contact. Rinse with water for a few minutes.	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
<b>Inhalation</b>	: No special measures required. Treat symptomatically.	No special measures required. Treat symptomatically.
<b>Ingestion</b>	: Get medical attention if symptoms occur.	Get medical attention if symptoms occur.

## 5. Fire-fighting measures

### Product AS SOLD

**Auto-ignition temperature** : Not available.

**Flammable limits** : Not available.

**Hazardous thermal decomposition products** : No specific data.

**Special remarks on fire hazards** : Not available.

**Special remarks on explosion hazards** : Not available.

**Fire-fighting media and instructions** : Use an extinguishing agent suitable for the surrounding fire.

Dyke area of fire to prevent runoff.

In a fire or if heated, a pressure increase will occur and the container may burst.

**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. Accidental release measures

	Product AS SOLD	Product AT USE DILUTION
<b>Personal precautions</b>	: Use personal protective equipment as required.	Use personal protective equipment as required.
<b>Environmental precautions</b>	: Avoid contact of large amounts of spilt material and runoff with soil and surface waterways.	Avoid contact of large amounts of spilt material and runoff with soil and surface waterways.
<b>Methods for cleaning up</b>	: Use a water rinse for final clean-up.	Use a water rinse for final clean-up.

## 7. Handling and storage

	Product AS SOLD	Product AT USE DILUTION
<b>Handling</b>	: Wash thoroughly after handling.	Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
<b>Storage</b>	: Keep out of reach of children.  Store between the following temperatures: 5 and 40°C	Keep out of reach of children. Store in a closed container.

## 8. Exposure controls/personal protection

Product AS SOLD		Product AT USE DILUTION
<b>Engineering measures</b>	: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
<b>Personal protection</b>		
<b>Eyes</b>	: No protective equipment is needed under normal use conditions.	Safety eyewear should be used when there is a likelihood of exposure.
<b>Hands</b>	: No protective equipment is needed under normal use conditions.	Use chemical-resistant, impervious gloves.
<b>Skin</b>	: No protective equipment is needed under normal use conditions.	Use suitable protective equipment.
<b>Respiratory</b>	: No special protection is required.	No special protection is required.

Occupational exposure limits		TWA (8 hours)			STEL (15 mins)			Ceiling			
Ingredient	List name	ppm	mg/m <sup>3</sup>	Other	ppm	mg/m <sup>3</sup>	Other	ppm	mg/m <sup>3</sup>	Other	Notations
No exposure limit value known.											

Consult local authorities for acceptable exposure limits.

## 9. Physical and chemical properties

Product AS SOLD		Product AT USE DILUTION
<b>Physical state</b>	: Liquid.	Liquid.
<b>Flash point</b>	: > 100°C Product does not support combustion.	> 100°C
<b>Colour</b>	: White	White
<b>Odour</b>	: Ammoniacal	Ammoniacal
<b>pH</b>	: 7 to 8.5 [Conc. (% w/w): 100%]	7 to 8.5
<b>Boiling/condensation point</b>	: 100°C (212°F)	
<b>Melting/freezing point</b>	: Not available.	
<b>Relative density</b>	: 1.012 to 1.034	
<b>Vapour pressure</b>	: Not available.	
<b>Vapour density</b>	: Not available.	
<b>Odour threshold</b>	: Not available.	
<b>Evaporation rate</b>	: Not available.	
<b>Viscosity</b>	: Dynamic: 7 mPa·s (7 cP)	
<b>Dispersibility properties</b>	: Not available.	
<b>Solubility</b>	: Not available.	
<b>LogK<sub>ow</sub></b>	: Not available.	

## 10. Stability and reactivity

Product AS SOLD	
<b>Stability</b>	: The product is stable. Under normal conditions of storage and use, hazardous polymerisation will not occur.
<b>Conditions of instability</b>	: Not available.
<b>Reactivity</b>	: Not available.
<b>Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 10. Stability and reactivity

**Hazardous polymerisation** : Under normal conditions of storage and use, hazardous polymerisation will not occur.

## 11. Toxicological information

### Potential acute health effects

**Product AS SOLD**

**Eyes** : No known significant effects or critical hazards.  
**Skin** : No known significant effects or critical hazards.

**Inhalation** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

### Product AT USE DILUTION

Moderately irritating to eyes.  
 Slightly irritating to the skin. May cause sensitisation by skin contact.  
 Slightly irritating to the respiratory system.  
 No known significant effects or critical hazards.

### Product AS SOLD

### Potential chronic health effects

**Carcinogenic effects** : No known significant effects or critical hazards.  
**Mutagenic effects** : No known significant effects or critical hazards.  
**Teratogenic effects** : No known significant effects or critical hazards.  
**Reproductive effects** : No known significant effects or critical hazards.  
**Sensitization to Product** : No known significant effects or critical hazards.  
**Synergistic products (toxicologically)** : Not available.

### Toxicity data

Product/ingredient name	Test	Route	Result	Species
Not available.				

### Other adverse effects

**Target organs** : Not available.

## 12. Ecological information

**Ecotoxicity** : Not reported

## 13. Disposal considerations

**Product AS SOLD**

**Waste disposal** : Diluted product can be flushed to sanitary sewer.  
 Discard empty container in trash.

### Product AT USE DILUTION

Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

## 14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

### Product AS SOLD

**TDG Proper shipping name** Not available.

For transport in bulk or using IMDG regulations, see shipping documents for specific transportation information.

### Product AT USE DILUTION

Not intended for transport.

## 15. Regulatory information

### Product AS SOLD

WHMIS : Not hazardous by WHMIS criteria.

### Product AT USE DILUTION

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

Canada inventory : At least one component is not listed in DSL but all such components are listed in NDSL.

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.

## 16. Other information

### Product AS SOLD

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

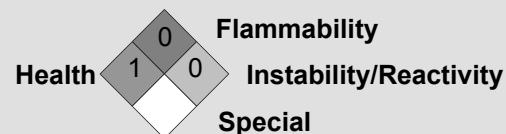
Health	0
Flammability	0
Physical hazards	0

National Fire Protection Association (U.S.A.) :



### Product AT USE DILUTION

Health	1
Flammability	0
Physical hazards	0



Date of issue : 07-March-2011  
 Responsible name : Regulatory Affairs  
 1-800-352-5326

Indicates information that has changed from previously issued version.

### Notice to reader

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

# Material Safety Data Sheet

MAXX DURABLE FLOOR FINISH PART B



## 1. Product and company identification

Trade name of product : MAXX DURABLE FLOOR FINISH PART B

Product use : Floor care product

Product dilution information : 94.7% Part A with 5.3% Part B

Supplier's information : Ecolab Co.  
5105 Tomken Road  
Mississauga ON L4W 2X5  
1-800-352-5326

Code : 913652-01

Date of issue : 07-March-2011

EMERGENCY HEALTH INFORMATION: 1-800-328-0026  
Outside United States and Canada CALL 1-651-222-5352 (in USA)

## 2. Hazards identification

**Product AS SOLD**

**Physical state** : Liquid.

**Emergency overview** : WARNING !

CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION.  
COMBUSTIBLE LIQUID AND VAPOUR.  
MAY CAUSE ALLERGIC SKIN REACTION.

Avoid contact with eyes, skin and clothing. Avoid breathing vapours, spray or mists. Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

**Routes of entry** : Skin contact, Eye contact, Inhalation, Ingestion

### Potential acute health effects

**Product AS SOLD**

**Eyes** : Severely irritating to eyes.

**Skin** : Irritating to skin. May cause sensitisation by skin contact.

**Inhalation** : Irritating to respiratory system.

**Ingestion** : Irritating to mouth, throat and stomach.

See toxicological information (section 11)

**Product AT USE DILUTION**

Liquid.  
CAUTION !

MAY CAUSE EYE IRRITATION.  
MAY CAUSE ALLERGIC SKIN REACTION.

Avoid contact with eyes, skin and clothing.  
Wash thoroughly after handling.

**Product AT USE DILUTION**

Moderately irritating to eyes.  
Slightly irritating to the skin. May cause sensitisation by skin contact.  
Slightly irritating to the respiratory system.  
No known significant effects or critical hazards.

## 3. Composition/information on ingredients

### Product AS SOLD

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
hexane, 1,6-diisocyanato-, homopolymer	28182-81-2	60 - 100
Propanol, 1(or 2)-(2-methoxymethylethoxy)-, acetate	88917-22-0	10 - 30
cyclohexyldimethylamine	98-94-2	1 - 5
hexamethylene-di-isocyanate	822-06-0	0.1 - 1

### 3. Composition/information on ingredients

#### Product AT USE DILUTION

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
hexane, 1,6-diisocyanato-, homopolymer	28182-81-2	3 - 7

### 4. First-aid measures

	<b>Product AS SOLD</b>	<b>Product AT USE DILUTION</b>
<b>Eye contact</b>	: In case of contact, immediately flush eyes with cool running water. Remove contact lenses and continue flushing with plenty of water for at least 15 minutes. Get medical attention.	In case of contact, immediately flush eyes with plenty of water. Remove contact lenses and flush again. Get medical attention if irritation persists.
<b>Skin contact</b>	: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
<b>Inhalation</b>	: If inhaled, remove to fresh air. Get medical attention if irritation persists.	No special measures required. Treat symptomatically.
<b>Ingestion</b>	: Get medical attention if symptoms occur.	Get medical attention if symptoms occur.

### 5. Fire-fighting measures

#### Product AS SOLD

<b>Auto-ignition temperature</b>	: Not available.
<b>Flammable limits</b>	: Not available.
<b>Hazardous thermal decomposition products</b>	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides phosphorus oxides
<b>Special remarks on fire hazards</b>	: Not available.
<b>Special remarks on explosion hazards</b>	: Not available.
<b>Fire-fighting media and instructions</b>	: Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.  Use water spray to keep fire-exposed containers cool. Dyke area of fire to prevent runoff. Combustible liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.
<b>Special protective equipment for fire-fighters</b>	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### 6. Accidental release measures

	<b>Product AS SOLD</b>	<b>Product AT USE DILUTION</b>
<b>Personal precautions</b>	: Use personal protective equipment as required.	Use personal protective equipment as required.
<b>Environmental precautions</b>	: Avoid contact of large amounts of spilt material and runoff with soil and surface waterways.	Avoid contact of large amounts of spilt material and runoff with soil and surface waterways.

## 6. Accidental release measures

**Methods for cleaning up** : If emergency personnel are not present, contain and collect small spillages with non-combustible absorbent material, e.g. sand, earth or other suitable material and place in a suitable container for disposal. Use a water rinse for final clean-up.

Use a water rinse for final clean-up.

## 7. Handling and storage

**Handling** : **Product AS SOLD**  
: Avoid contact with eyes, skin and clothing. Avoid breathing vapours, spray or mists. Keep away from heat, sparks and flame. To avoid fire, eliminate ignition sources. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

**Storage** : Keep out of reach of children. Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Store in a closed container. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Do not store above the following temperature: 40°C

**Product AT USE DILUTION**  
Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Keep out of reach of children. Store in a closed container.

## 8. Exposure controls/personal protection

**Engineering measures** : **Product AS SOLD**  
: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits.

### Personal protection

**Eyes** : Wear eye protection.

**Hands** : Use chemical-resistant, impervious gloves.

**Skin** : Use suitable protective equipment.

**Respiratory** : Avoid breathing vapours, spray or mists.

**Product AT USE DILUTION**  
Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Safety eyewear should be used when there is a likelihood of exposure.

Use chemical-resistant, impervious gloves.

Use suitable protective equipment.

No special protection is required.

Occupational exposure limits		TWA (8 hours)			STEL (15 mins)			Ceiling			
Ingredient	List name	ppm	mg/m <sup>3</sup>	Other	ppm	mg/m <sup>3</sup>	Other	ppm	mg/m <sup>3</sup>	Other	Notations
cyclohexyldimethylamine hexamethylene-di-isocyanate	ON 7/2010	-	-	-	5	26	-	-	-	-	
	US ACGIH 2/2010	0.01	0.03	-	-	-	-	-	-	-	
	AB 4/2009	0.005	0.03	-	-	-	-	-	-	-	
	BC 10/2009	0.005	-	-	-	-	-	0.01	-	-	[3]
	ON 7/2010	0.01	0.03	-	-	-	-	-	-	-	
Propanol, 1(or 2)-(2-methoxymethylethoxy)-, acetate	QC 6/2008	0.005	0.034	-	-	-	-	-	-	-	[3]
	ON 7/2010	100	776	-	150	1164	-	-	-	-	

[3]Skin sensitisation



## 9. Physical and chemical properties

Product AS SOLD	
<b>Physical state</b>	: Liquid.
<b>Flash point</b>	: 86 °C (Closed cup)
<b>Colour</b>	: Colourless to light yellow
<b>Odour</b>	: Faint odour
<b>pH</b>	: 7 [Conc. (% w/w): 100%]
<b>Boiling/condensation point</b>	: Not available.
<b>Melting/freezing point</b>	: Not available.
<b>Relative density</b>	: 1.062 to 1.15
<b>Vapour pressure</b>	: Not available.
<b>Vapour density</b>	: Not available.
<b>Odour threshold</b>	: Not available.
<b>Evaporation rate</b>	: Not available.
<b>Viscosity</b>	: Not available.
<b>Dispersibility properties</b>	: Not available.
<b>Solubility</b>	: Not available.
<b>LogK<sub>ow</sub></b>	: Not available.

Product AT USE DILUTION
Liquid.
> 100°C
White
Ammoniacal
7 to 8.5

## 10. Stability and reactivity

### Product AS SOLD

<b>Stability</b>	: The product is stable. Under normal conditions of storage and use, hazardous polymerisation will not occur.
<b>Conditions of instability</b>	: Not available.
<b>Reactivity</b>	: Slightly reactive or incompatible with the following materials: organic materials, acids, alkalis and moisture.
<b>Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
<b>Hazardous polymerisation</b>	: Under normal conditions of storage and use, hazardous polymerisation will not occur.

## 11. Toxicological information

### Potential acute health effects

Product AS SOLD	
<b>Eyes</b>	: Severely irritating to eyes.
<b>Skin</b>	: Irritating to skin. May cause sensitisation by skin contact.
<b>Inhalation</b>	: Irritating to respiratory system.
<b>Ingestion</b>	: Irritating to mouth, throat and stomach.

Product AT USE DILUTION
Moderately irritating to eyes.
Slightly irritating to the skin. May cause sensitisation by skin contact.
Slightly irritating to the respiratory system.
No known significant effects or critical hazards.

### Product AS SOLD

### Potential chronic health effects

<b>Carcinogenic effects</b>	: No known significant effects or critical hazards.
<b>Mutagenic effects</b>	: No known significant effects or critical hazards.
<b>Teratogenic effects</b>	: No known significant effects or critical hazards.
<b>Reproductive effects</b>	: No known significant effects or critical hazards.
<b>Sensitization to Product</b>	: May cause sensitisation by skin contact.

## 11. Toxicological information

**Synergistic products (toxicologically)** : Not available.

### Toxicity data

Product/ingredient name	Test	Route	Result	Species
hexane, 1,6-diisocyanato-, homopolymer cyclohexyldimethylamine	LC50	Inhalation	18500 mg/m3	Rat
	LD50	Dermal	370 mg/kg	Rat
	LD50	Oral	620 mg/kg	Rabbit
	LD50	Oral	520 mg/kg	Guinea pig
	LD50	Oral	348 mg/kg	Rat
	LD50	Oral	320 mg/kg	Mouse
hexamethylene-di-isocyanate	LC50	Inhalation	1889 mg/m3	Rat
	LD50	Dermal	570 uL/kg	Rabbit
	LD50	Oral	350 mg/kg	Mouse
	LD50	Oral	710 uL/kg	Rat
	LC50	Inhalation	462 mg/m3	Rat
	LC50	Inhalation	124 mg/m3	Rat

### Other adverse effects

**Target organs** : Not available.

## 12. Ecological information

**Ecotoxicity** : Not reported

## 13. Disposal considerations

**Waste disposal** : Avoid disposal. Attempt to use product completely in accordance with intended use. Disposal should be in accordance with applicable regional, national and local laws and regulations.

### Product AS SOLD

### Product AT USE DILUTION

Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

## 14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

### Product AS SOLD

**TDG Classification** : Not regulated.

For transport in bulk or using IMDG regulations, see shipping documents for specific transportation information.

### Product AT USE DILUTION

Not intended for transport.

## 15. Regulatory information

### Product AS SOLD

**WHMIS** : Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).  
Class D-2A: Material causing other toxic effects (Very toxic).  
Class D-2B: Material causing other toxic effects (Toxic).

### Product AT USE DILUTION

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

**Canada inventory** : All components are listed or exempted.

## 15. Regulatory information

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.

## 16. Other information

### Product AS SOLD

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

Health	2
Flammability	1
Physical hazards	0

National Fire Protection :  
Association (U.S.A.)



### Product AT USE DILUTION

Health	1
Flammability	0
Physical hazards	0



Date of issue : 07-March-2011  
Responsible name : Regulatory Affairs  
1-800-352-5326

☑ Indicates information that has changed from previously issued version.

### Notice to reader

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.