Material Safety Data Sheet

Monostar

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1. Product and company identification Trade name of product : Monostar Product use : Floor care product Product dilution information : Not applicable Supplier's information : Ecolab Inc. Institutional Division 370 N. Wabasha Street St. Paul. MN 55102 1-800-352-5326 Code : 912473-01 Date of issue : 03-June-2010 EMERGENCY HEALTH INFORMATION: 1-800-328-0026 Outside United States and Canada CALL 1-651-222-5352 (in USA) Hazards identification 2. **Product AS SOLD** Product AT USE DILUTION **Physical state** : Emulsion. Product is sold ready to use. : CAUTION ! Emergency overview MAY CAUSE EYE IRRITATION. Avoid contact with eyes. Wash thoroughly after handling. Potential acute health effects **Product AS SOLD Product AT USE DILUTION** : Slightly irritating to the eyes. Product is sold ready to use. Eyes : No known significant effects or critical hazards. Skin : No known significant effects or critical hazards. Inhalation Ingestion : No known significant effects or critical hazards. See toxicological information (section 11) 3. Composition/information on ingredients

Product AS SOLD Name CAS number % by weight **ETHOXYDIGLYCOL** 111-90-0 6 zinc(2+), tetraammine-, (t-4)-, carbonate (1:1) 38714-47-5 2 78-51-3 ethanol, 2-butoxy-, phosphate (3:1) 1 - 5 Product AT USE DILUTION CAS number % by weight <u>Name</u> Product is sold ready to use.

4. First aid measures

	Product AS SOLD	Product AT USE DILUTION
Eye contact	: Rinse with water for a few minutes.	Product is sold ready to use.
Skin contact	 No known effect after skin contact. Rinse with water for a few minutes. 	
Inhalation	: No special measures required. Treat symptomatically.	
Ingestion	: Get medical attention if symptoms occur.	

5. Fire-fighting measures

Product AS SOLD	
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides phosphorus oxides metal oxide/oxides
Fire-fighting media and instructions	: Use an extinguishing agent suitable for the surrounding fire.
	Dike area of fire to prevent runoff.
	No specific fire or explosion hazard.
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
Personal precautions	: Use personal protective equipment as required.	Product is sold ready to use.
Environmental precautions	: Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.	
Methods for cleaning up	: Use a water rinse for final clean-up.	

7. Handling and storage

	Product AS SOLD	Product AT USE DILUTION
Handling	: Avoid contact with eyes. Wash thoroughly after handling.	Product is sold ready to use.
Storage	: Keep out of reach of children. Store in a closed container.	
	Store between the following temperatures: 10 and 45°C	

8. Exposure controls/personal protection

	Product AS SOLD	Product AT USE DILUTION
Engineering measures	: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.	Product is sold ready to use.
Personal protecti	<u>on</u>	
Eyes	: No protective equipment is needed under normal use conditions.	Product is sold ready to use.
Hands	: No protective equipment is needed under normal use conditions.	
Skin	: No protective equipment is needed under normal use conditions.	

Monostar

8. Exposure controls/personal protection

Respiratory : No special protection is required.

Consult local authorities for acceptable exposure limits.

9. Physical and chemical properties

Product AS SOLD
: Emulsion.
: > 100°C
: White. [Light]
: Acrylic.
: 8 to 9 [Conc. (% w/w): 100%]
: 1.035 to 1.045
: Dynamic: 11 mPa⋅s (11 cP)

Product AT USE DILUTION Product is sold ready to use. 3 June 2010

10. Stability and reactivity

Product AS SOLD

Stability	:	The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous polymerization	:	Under normal conditions of storage and use, hazardous polymerization will not occur.

11. Toxicological information

Potential acute health effects

	Product AS SOLD	Product AT USE DILUTION
Eyes	: Slightly irritating to the eyes.	Product is sold ready to use.
Skin	: No known significant effects or critical hazards.	
Inhalation	: No known significant effects or critical hazards.	
Ingestion	: No known significant effects or critical hazards.	

12. Ecological information

Ecotoxicity

: Not reported

13. Disposal considerations

 Product AS SOLD
 Product AT USE DILUTION

 Waste disposal
 : Diluted product can be flushed to sanitary sewer. Discard empty container in trash.
 Product at USE DILUTION

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 IMO/IMDG Classification Not regulated.

See shipping documents for specific transportation information.

15. Regulatory information

Product	AS SOLD	Product	AT USE DILUTIO	N
HCS : Not regulated. Classification		Product	Product is sold ready to use.	
Product AS SOLD				
U.S. Federal regulations				
TSCA 8(b) inventory : All components are listed or exempted.				
SARA 302/304/311/312 extremely hazardous substances: No listed substance				
SARA 302/304 emergenc	y planning and notification: No listed se	ubstance		
<u>SARA 313</u>	Product name		<u>CAS number</u>	Concentration
Form R - Reporting requirements	: ethanol, 2-(2-ethoxyethoxy)- zinc(2+), tetraammine-, (t-4)-, car	bonate (1:1)	111-90-0 38714-47-5	5.9966 1.9732
<u>California Prop. 65</u>	: No listed substance			

16. Other information

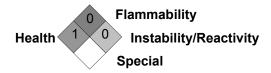
Product AS SOLD

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

Health	1
Flammability	0
Physical hazards	0

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



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Date of issue	: 03-June-2010
Date of previous issue	: No previous validation
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.