



**SAFETY DATA SHEET**

Page: 1 of 6  
 SDS No.  
 Date Created: February 16, 2016  
 Supersedes:

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product Identifier:** Dakota Magic Mist  
**General Use:** Cleaner, Water Spot Remover  
**Product Description:** Cherry Colored Liquid

**MANUFACTURER**

Dakota Ag Innovations, LLC  
 40690 253rd Street  
 Mitchell, South Dakota 57301  
 605-996-7800

**EMERGENCY TELEPHONE NUMBER:**

1-800-424-9300 CHEMTREC

[www.dakotaaginnovations.com](http://www.dakotaaginnovations.com)

**2. HAZARD IDENTIFICATION**

**OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)**

Component	EXPOSURE LIMITS 8 hrs TWA (ppm)			
	OSHA PEL	ACGIH TLV	NIOSH REL	AIHA WEEL
Magnesium salts	None Established	None Established	None Established	
Polyethylene glycol nonyl phenol	None Established	None Established	None Established	10 mg/m <sup>3</sup>
Dimethylsiloxane, hydroxy terminated	None Established	None Established	None Established	
5-chloro-2-methyl-4-isothiazolin-3-one	None Established	None Established	None Established	*0.076 mg/m <sup>3</sup> TWA
2-methyl-4-isothiazolin-3-one	None Established	None Established	None Established	0.23 mg/m <sup>3</sup> STEL
				*1.5 mg/m <sup>3</sup> TWA
				4.5 mg/m <sup>3</sup> STEL

\*established by the manufacturer

**EMERGENCY OVERVIEW**

**GHS CLASSIFICATION OF SUBSTANCE**

Flammable Liquid	Not Applicable
Aspiration Toxicity	Not Applicable
Skin Irritation	Category 3; Skin sensitizer ingredient at ppm levels.
Eye Irritation	Category 2B
Carcinogenicity	No Classification Under GHS
Specific Organ Toxicity Repeated Exp.	No Classification Under GHS
Specific Organ Toxicity Single Exp.	No Classification Under GHS
Reproductive Toxicity	No Classification Under GHS
Acute Toxicity	No Classification Under GHS
Germ Cell mutagenicity	No Classification Under GHS
Hazardous to the aquatic env.	No Classification Under GHS

**GHS LABEL ELEMENTS**

**Pictogram**  
 No applicable pictogram

**Signal Word**  
**WARNING**

**Hazard Statements**

H317 - May cause an allergic skin reaction  
H320 - Causes eye irritation

**Precautionary Statements**

**General:**

P101 - If medical advice is needed, have product container or label at hand.  
P102 - Keep out of reach of children.  
P103 - Read label before use.

**Prevention:**

P264 - Wash hands thoroughly after handling.  
P280 - If skin irritation including redness and dryness is experienced, wear protective gloves when using the product.  
If application is likely to result in eye contact, wear suitable eye protection to avoid getting liquid in the eyes.

**Response:**

P302 + P352 - IF ON SKIN: Wash with plenty of clean water.  
P332 + P313 - If skin irritation occurs: Get medical advice/attention.  
P362 + P364 - Take off contaminated clothing and wash before reuse.  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Storage/Disposal:**

None

**UN GHS**

ACCORDING TO THE GLOBALLY HARMONIZED STANDARD FOR CLASSIFICATION AND LABELING (GHS) THIS PRODUCT IS CONSIDERED HAZARDOUS BASED ON POTENTIAL FOR SKIN ALLERGIC RESPONSE

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>Component</u>	<u>vol%</u>	<u>CAS Registry #</u>
Magnesium salts	<0.1	mixed
Polyethylene glycol nonyl phenol	<0.5	9016-45-9
Dimethylsiloxane, hydroxy terminated	1 - 3	70131-67-8
5-chloro-2-methyl-4-isothiazolin-3-one	<14 mg/kg	26172-55-4
2-methyl-4-isothiazolin-3-one	<5 mg/kg	2682-20-4
Water	balance	

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**4. FIRST AID MEASURES**

**INHALATION:**

Move person to fresh air. If respiratory irritation persists, seek medical attention. Volatile portion is not sufficient to make this an important route of exposure during normal use.

**EYE CONTACT:**

Remove contact lens (if present). Rinse eyes immediately with plenty of clean water for at least 15 minutes. Flush under eyelids. If eye irritation persists, seek medical attention.

**SKIN CONTACT:**

In case of skin contact, rinse skin with plenty of water. If redness or rash occurs, seek medical attention. Provide this SDS to attending physician.

**INGESTION:**

DO NOT INDUCE VOMITING. If a significant quantity is ingested, seek medical attention and provide safety data sheet.

## 5. FIRE FIGHTING MEASURES

**Flashpoint and Method:** Noncombustible  
**Flammable Limits:** NA  
**Autoignition Temperature:** NA

### GENERAL HAZARD:

Product is water based and not expected to produce a significant fire hazard.

### FIRE FIGHTING INSTRUCTIONS:

Either allow fire to burn out under controlled conditions or extinguish with foam or dry chemical. Use water spray to cool fire exposed surfaces. Avoid spraying water directly into storage containers due to danger of boil over.

### FIRE FIGHTING EQUIPMENT:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. For small outdoor fires, which may be easily extinguished with a portable fire extinguisher, use of any SCBA may not be required.

### HAZARDOUS COMBUSTION PRODUCTS:

Carbon monoxide, oxides of nitrogen, oxides of sulfur, aldehydes, and carbon dioxide.

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## 6. ACCIDENTAL RELEASE MEASURES

### LAND SPILL RESPONSE:

Product is water based and is packaged in small enough quantities that a land spill is not a significant issue. Spilled material will soak into the ground and biodegrade.

### WATER SPILL:

Product is water based and is packaged in small enough quantities that a water spill is not a significant issue. Spilled material will mix with water and will not alter pH.

### RECOMMENDED DISPOSAL:

Unused product should be allowed to be sewered in most localities based on limited volume packaging. Verify with local agencies prior to disposing of unused material.

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## 7. HANDLING AND STORAGE

**STORAGE TEMPERATURE:** Ambient

**STORAGE PRESSURE:** Atmospheric

### GENERAL:

Keep container closed while not in use.

Store in a cool, well-ventilated place away from incompatible materials.

Follow SDS and label warnings.

Empty container can be rinsed and disposed as recyclable polymeric material. Consult recycling guidelines in the location where the product is used.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

Component	EXPOSURE LIMITS 8 hrs TWA (ppm)			
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\*established by the manufacturer

### ENGINEERING CONTROLS:

An eye wash station and hand washing facilities in location of use is advised.

### PERSONAL PROTECTION:

Not applicable if used as directed.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Vapor Pressure:</b>	Not available	<b>Vapor Density:</b>	Not available
<b>Specific Gravity:</b>	1	<b>Evaporation Rate:</b>	Not available
<b>Solubility in Water:</b>	fully miscible	<b>Freezing Point:</b>	Not Available
<b>pH:</b>	5	<b>Odor:</b>	Herbal Floral
<b>Boiling Point:</b>	similar to water	<b>Appearance:</b>	Cherry-colored
<b>Viscosity:</b>	Not available	<b>Physical State:</b>	Liquid
<b>Flash Point:</b>	Noncombustible	<b>Flammable Range:</b>	NA

## 10. STABILITY AND REACTIVITY

### GENERAL:

This product is stable and hazardous polymerization will not occur.

### INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:

Avoid contact with oxidizing agents, amines, reducing agents, and mercaptans.

### HAZARDOUS DECOMPOSITION:

None

## 11. TOXICOLOGICAL INFORMATION

### TOXICITY TO ANIMALS:

Component	Acute Test	Value	Species
Biocide blend	LD50	2630 mg/kg	Rat female
Biocide blend	LD50	3350 mg/kg	Rat male
Biocide active ingredient	LC50 4h	0.33 mg/kg	Rat
Biocide active ingredient	LD50	>5000 mg/kg	Rabbit

**ROUTES OF ENTRY:**

Volatile components are not sufficient in the product to make it an inhalation hazard. The biocide active ingredient is linked to skin allergic reaction. Eye and skin contact are the primary routes of exposure.

**CHRONIC EFFECTS ON HUMANS:**

**Eyes:**

The product is expected to cause mild reversible irritation when splashed in the eyes and not immediately washed out.

**Skin:**

The biocide ingredient has been linked to contact dermatitis in cosmetic products applied to slightly damaged facial skin. Other European studies have linked other cosmetic products with the biocide to incidents of contact dermatitis.

**Ingestion:**

The product is not expected to result in any adverse reactions if ingested. Children may view the coloring indicative of a flavored drink. Keep out of reach of children.

**Inhalation:**

Volatile components are not in sufficient concentration to create a vapor hazard. Inhaling mist may create minor respiratory irritation.

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**12. ECOLOGICAL INFORMATION**

<u>Species</u>	<u>Test Information</u>	<u>concentration</u>	<u>Stat Sig Level</u>	<u>component</u>
Oncorhynchus mykiss (Rainbow trout)	LC50 96hr	0.19 mg/l	End point	Biocide active ingredient
Bluegill sunfish	LC50 96hr	0.28 mg/l	End point	Biocide active ingredient
Skeletonema costatum (Marine algae)	EC50	0.018 mg/l	End point	Biocide active ingredient
Daphnia magna	EC50	0.16 mg/l	End point	Biocide active ingredient

The active biocidal ingredient is not in sufficient concentration to require classification under GHS even though it is a Category 1 acute hazard in concentrated form.

**PRODUCTS OF BIODEGRADATION:**

The products of biodegradation are less toxic than the product, itself.

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**13. DISPOSAL CONSIDERATIONS**

This product is not classified as a hazardous waste based on its constituents. Consult local regulatory agencies prior to disposal of unused portions.

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## 14. TRANSPORT INFORMATION

The following proper shipping name, hazard class and packing group are in accordance to transportation regulations.

Mode of Transportation	Domestic Surface (USDOT)	Domestic Air	International Air (IATA)
UN Number	NA	NA	NA
Proper Shipping Name			
Hazard Class			
Packing Group			
Hazard Label			
Handling Label(s)			
ERG#:			
Packaging Instructions:			

## 15. REGULATORY INFORMATION

### TSCA (Toxic Substance Control Act):

Components of this product are listed on the TSCA inventory.

SARA Section 302 - Emergency Planning Notification -	No
SARA Section 304 - Emergency Release Notification.	No
SARA 311/312 - Hazard categories for SARA Section 311/312 Reporting:	No
CERCLA - Hazardous Substance -	No
RCRA Hazardous Waste Classification -	No

### California Proposition 65:

No ingredients currently listed on California Proposition 65 list .

## 16. OTHER INFORMATION

### NATIONAL FIRE PROTECTION ASSOCIATION

Health:	1
Fire:	0
Reactivity:	0

### CREATION/REVISION SUMMARY:

Created on February 16, 2016

Cheryl Sykora, CIH, CSP,CHMM

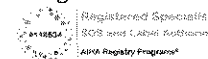
Registered Specialist, SDS and Label Authoring #118534

LEGEND TECHNICAL SERVICES, INC.

88 Empire Drive

Saint Paul, Minnesota 55103

651-221-4085



THE INFORMATION RELATES TO THIS SPECIFIC INFORMATION. IT MAY NOT BE VALID FOR THIS MATERIAL IF USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY ONESELF AS TO THE SUITABILITY AND COMPLETENESS OF THIS INFORMATION FOR HIS OWN PARTICULAR USE. 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.