

Naiad Lawn & Garden

SDS Number: 445

Revision Date: 9/10/2015

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Naiad Company, Inc.
2636 West Lane
Stockton, CA 95205

Contact: Naiad Company, Inc.
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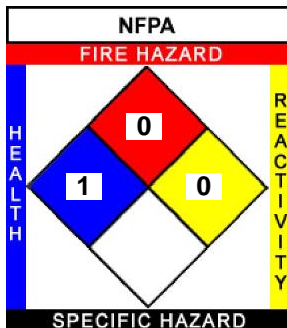
Product Name: Naiad Lawn & Garden
Revision Date: 9/10/2015
Version: 1.00
SDS Number: 445
Common Name: Wetting Agent
CAS Number: MIXTURE
Chemical Family: Wetting Agent

Emergency Phone: (209) 462-2986

2 HAZARDS IDENTIFICATION

NFPA:
HMIS III:

Health = 1, Fire = 0, Reactivity = 0
H1/F0/PH0



HMIS III	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARDS	0
PERSONAL PROTECTION B Safety Glasses, Gloves	

PERSONAL PROTECTION INDEX			
A		G	
B		H	
C		I	
D		J	
E		K	
F		X	Consult your supervisor or S.O.P. for "SPECIAL" handling directions
A	n	O	P
t	u	w	y
z	Additional Information		

GHS Signal Word:
DANGER

GHS Hazard Pictograms:



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GHS Classifications:

Health, Acute toxicity, 4 Oral
Health, Skin corrosion/irritation, 2
Health, Serious Eye Damage/Eye Irritation, 1

GHS Phrases:

H302 - Harmful if swallowed
H315 - Causes skin irritation
H318 - Causes serious eye damage

GHS Precautionary Statements:

P262 - Do not get in eyes, on skin, or on clothing.
P264 - Wash skin thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P321 - Specific treatment (see supplementary first aid instructions on this label).
P332+313 - If skin irritation occurs: Get medical advice/attention.
P405 - Store locked up.
P501 - Dispose of contents/container to an approved waste disposal plant.

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COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Percentage	Chemical Name
N/A	>80%	Proprietary, non-hazardous, non-regulated
26836-07-7	5-15%	Benzenesulfonic acid, dodecyl-, compd. with 2-aminoethanol (1:1)
N/A	4.49%	Trade Secret*

*The specific chemical identities of the ingredients of this mixture labeled as "Trade Secret" are considered to be proprietary and are withheld in accordance with the provisions of 29CFR1910.1200 Sect. (i) Trade Secrets.

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FIRST AID MEASURES

Inhalation: Generally this product does not irritate by inhalation. Give oxygen or artificial respiration if needed. If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

Skin Contact: Take off contaminated clothing and shoes immediately. Promptly flush skin with water for at least 15 minutes to ensure all chemical is removed. If reddening develops and/or persists, obtain medical attention.

Eye Contact: Flush with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Remove contact lenses if present and easy to do so. Get immediate medical attention. Continue rinsing eyes during transport to hospital.

Ingestion: Rinse mouth with water. Give 3-4 glasses of water or milk to dilute stomach contents. Do NOT induce vomiting. If vomiting occurs, give more water or milk. Never give anything by mouth to an unconscious person. Get immediate medical attention.

Most important symptoms and effects, both acute and delayed:

The most important known symptoms and effects are described in the labelling (see Section 2) and/or Section 11.



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Indication of any immediate medical attention and special treatment needed:

No data available.

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FIRE FIGHTING MEASURES

Flammability: Not flammable
Flash Point: DNA
Flash Point Method: C.O.C
Burning Rate: No data available
Autoignition Temp: Not determined
LEL: DNA
UEL: DNA

Extinguishing Media:

Water Spray
Carbon Dioxide
Alcohol-Resistant Foam
Dry Chemical

Special Hazards Arising From the Substance or Mixture:

Carbon Oxides
Formaldehyde (trace)
Nitrogen Oxides (NOx)
Sodium Oxides

Advice for Firefighters:

Firefighters should wear full-face, positive-pressure respirators.

Further Information:

If incinerated, may release toxic fumes.
Use water spray to cool unopened containers.
See Section 7 for more information on safe handling.
See Section 8 for more information on personal protection equipment.
See Section 13 for disposal information.

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ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment.
Keep from contacting skin or eyes.
Avoid breathing vapors, mist or gas.
Ensure adequate ventilation.

Environmental precautions:

Prevent further release (leakage/spillage) if safe to do so.
Do not allow product to enter drains.
Do not allow to drain to environment.

Methods and materials for containments and cleaning up:



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Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).
Place contaminated material into suitable, closed containers for disposal.
Dispose of contaminated material according to Section 13.
After spillage has been collected, area may be flushed with water or wet-brushed.
Ensure adequate ventilation.

Reference to Other Sections:

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for information on proper disposal.

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HANDLING AND STORAGE

Handling Precautions:

Avoid formation of aerosols.
Avoid breathing vapors or mists.
Avoid contact with eyes, skin, or clothing.
Keep containers closed when not in use.
Do not expose containers to open flame, excessive heat, or direct sunlight.
Do not puncture or drop containers.
Handle with care and avoid spillage on the floor.
Keep material out of reach of children.
Keep material away from incompatible materials.
Wash thoroughly after handling.
Ensure adequate ventilation.

Storage Requirements:

Keep container tightly closed.
Do not store in direct sunlight.
Store away from strong acids, strong bases and strong oxidizing agents.

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EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Use local exhaust at filling zones and where leakage and dust formation is probable. Use mechanical (general) ventilation for storage areas. Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits.

Personal Protective Equip:

Eye/face protection:

When using material use safety glasses and gloves according to HMIS PP, B. All safety equipment should be tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin protection:

Handle with gloves made from PVC, butyl-rubber, neoprene, nitrile or fluorinated rubber. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact. Dispose of contaminated gloves according to applicable laws and laboratory practices.

Body Protection:

Not required. Type of protective equipment should be selected based on concentration amount and conditions of use of this material.

Respiratory protection:

Not required. Full-face vapor respirator may be required as backup to engineering controls



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when proper engineering controls are not in place to keep TLV and PEL limits below defined thresholds.

Control of environmental exposure:
Prevent leakage or spillage if safe to do so. Do not let material enter drains.

Components with workplace control parameters:

Contains no substances with occupational exposure limit values.

Biological occupational exposure limits:

Contains no substances with biological occupational exposure limits values.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, blue-green liquid	Odor:	Mild
Physical State:	Liquid	Molecular Formula:	MIXTURE
Odor Threshold:	Not determined	Solubility:	100%
Particle Size:	Not determined	Softening Point:	Not determined
Spec Grav./Density:	1.059 g/ml (8.84 lbs/gal)	Percent Volatile:	DNA
Viscosity:	Not determined	Heat Value:	Not determined
Sat. Vap. Conc.:	Not determined	Freezing/Melting Pt.:	< 0 °C (32 °F)
Boiling Point:	100 °C (212 °F)	Flash Point:	DNA
Flammability:	(solid, gas): Not flammable	Octanol:	Not determined
Partition Coefficient:	Not determined	Vapor Density:	(air = 1): 1.0
Vapor Pressure:	(mm Hg @ 20 °C): < 0.1	VOC:	DNA
pH:	@ 100%: 7.0 - 8.0	Bulk Density:	DNA
Evap. Rate:	(Water = 1): 0.01	Auto-ignition Temp:	Not determined
Molecular weight:	MIXTURE	UFL/LFL:	Not determined
Decomp Temp:	Not determined		

10 STABILITY AND REACTIVITY

Stability:	Product is stable under normal conditions.
Conditions to Avoid:	Incompatibilities, flames, ignition sources.
Materials to Avoid:	Strong acids, strong oxidizing agents, strong reducing agents and anionic surfactants.
Hazardous Decomposition:	Carbon Oxides, Formaldehyde (trace), Nitrogen Oxides (NOx) and Sodium Oxides.
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Component(s): Benzenesulfonic acid, dodecyl-, compd. with 2-aminoethanol; Trade Secret
CAS No(s): 26836-07-7; N/A

Acute Toxicity:
LD50 Oral - Rat: > 5,000 mg/kg
LD50 Dermal - Rabbit: > 4,400 mg/kg

Skin Corrosion/Irritation: Rabbit skin - Mild skin irritation.



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Serious Eye Damage/Eye Irritation: Rabbit eyes - Risk of serious damage to eyes.

Respiratory or Skin Sensitation: Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

Germ Cell Mutagenicity: Not known to be mutagenic.

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive Toxicity: No reproductive or developmental risk to humans is expected from exposure to this product.

Specific Target Organ Toxicity - Single Exposure: No data available.

Specific Target Organ Toxicity - Repeated Exposure: No data available.

Aspiration Hazard: No data available.

Additional Information:

Component: Benzenesulfonic acid, dodecyl-, compd. with 2-aminoethanol; RTECS: DB670000

Component: Trade Secret; RTECS: Withheld

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ECOLOGICAL INFORMATION

Component(s): Benzenesulfonic acid, dodecyl-, compd. with 2-aminoethanol; Trade Secret

CAS No(s): 26836-07-7; N/A

Toxicity:

Toxicity to fish:

LC50 - *Lepomis macrochirus* (Bluegill Sunfish): 1.0 mg/l (96 h)

Mortality LOEC - *Pimephales promelas* (Fathead Minnow): 2.0 mg/l (96 h)

Mortality NOEC - *Pimephales promelas* (Fathead Minnow): 1.8 mg/l (96 h)

Toxicity to daphnia and other aquatic invertebrates:

EC50 - *Daphnia magna* (Water Flea): 12.2 - 17.0 mg/l (48 h)

Mortality LOEC - *Daphnia magna* (Water Flea): 20.0 mg/l (144 h)

Mortality NOEC - *Daphnia magna* (Water Flea): 10.0 mg/l (144 h)

Toxicity to algae:

Growth Inhibition LOEC - *Pseudokirchneriella subcapitata* (Green Algae): 16.0 mg/l (96 h)

Growth Inhibition LOEC - *Pseudokirchneriella subcapitata* (Green Algae): 8.0 mg/l (96 h)

Persistence and Degradability:



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Biodegradability: 86% Readily Biodegradable (Modified Sturm Test)

Bioaccumulative potential:
Not expected to bioaccumulate.

Mobility in Soil:
Not required/conducted.

Results of PBT and vPvB assessment:
Not required/conducted.

Other Adverse Effects:
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life.

13 DISPOSAL CONSIDERATIONS

Product: Hazardous wastes shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution, release into the environment or damage to people and animals. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated Packaging: Dispose of as unused product.

14 TRANSPORT INFORMATION

DOT (US)
Non-regulated material, liquid

IMDG
Non-regulated material, liquid

IATA
Non-regulated material, liquid

15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*Benzenesulfonic acid, dodecyl-, compd. with 2-aminoethanol (1:1) (26836077 5-15%) TSCA

*Trade Secret (N/A 4.49%) NJHS, PA, SARA311/312, TSCA

REGULATORY KEY DESCRIPTIONS

NJHS - New Jersey Right to Know Hazardous Substances
PA = PA Right-To-Know List of Hazardous Substances
SARA311/312 = SARA 311/312 Toxic Chemicals
TSCA = Toxic Substances Control Act



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OTHER INFORMATION

Disclaimer:

The data in this Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material in any process. The information set forth herein is furnished free of charge and is based on technical data that Naiad Company, Inc. believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside of Naiad Company, Inc.'s control, Naiad Company, Inc. makes no warranties, expressed or implied, and assumes no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under, or a recommendation to infringe upon, any patents.

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