

Safety Data Sheet

Green Sheet Fire Foam (Fluorine Free)

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : Green Sheet Fire Foam (Fluorine Free)
Identified uses : Fire Fighting

Details of the supplier of the safety data sheet

Company Name : Meridian Fire Foam, LLC
Address : 425 26th Ave. Meridian MS 39301
Telephone : 601-604-9219
Email : info@mfirefoam.com
Emergency : 601-604-9219
Telephone

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

The product is not classified according to the CLP regulation.

Label elements :

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	1
Flammability	0
Physical Hazard	0



GHS Classification

Acute oral toxicity : Category 4
Skin Irritation : Category 2
Serious Eye Irritant : Category 2A

GHS Label Element

Hazard Pictograms



Signal Word : Warning

Hazard Statements : Harmful if swallowed
Causes skin irritation
Causes serious eye irritation

Precautionary Statements:

Prevention : Wash skin thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear protective gloves and eye protection.

Response

Principal routes of exposure : Eye contact, Skin contact, Inhalation, Ingestion.

Skin : Wash contaminated area with soap or mild detergent. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation persists.

Eyes : If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Inhalation : If symptoms occur move affected person to fresh air. If not breathing, give artificial respiration. If symptoms persist, get medical attention promptly.

Ingestion : If product is swallowed, do not induce vomiting. If vomiting occurs keep head lower than hips to help prevent aspiration. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention at once.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS #	Weight %
Proprietary hydrocarbon surfactant blend	NA	0.1 – 8
Glycol Ether	NA	5 - 15
Xanthan Gum	11138-66-2	< 4
Sodium dodecyl Sulfate	151-21-3	1 - 10
Water	7732-18-5	Balance Quantity

Note :

- 1 : This mixture is used with a high velocity discharge of water.
- 2 : This SDS is prepared mainly according to chemical mixture.
- 3 : See Section 8 of SDS for exposure limit data for these ingredients. Full text of risk phrases & H-Statements appearing in section 3: see section 16.
- 4 : This SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of the product.

4. FIRST AID MEASURES

Description of first aid measures

- General information** : If symptoms persist or in case of doubt, seek medical advice.
- Inhalation** : Supply fresh air; consult a doctor in case of pain.
- Skin contact** : Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- Eye contact** : Rinse opened eye for several minutes under running water.
If symptoms persist, consult a doctor.
- Swallowing** : Rinse mouth with water. Spit liquid out again. Do not induce vomiting. If vomiting occurs, keep head lower than hips to help prevent aspiration. Never give anything by mouth to unconscious person. If the affected person is conscious, give plenty of water to drink. Seek medical treatment.

Most important symptoms and effects, both acute and delayed

No further relevant information available

Indication of any immediate medical attention and special treatment needed

Symptomatic treatment

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing agents : The product is not combustible and does not support any combustion.
Use firefighting measures suiting the environment.

Fire Hazard : N/A

Flash Point (F°, TCC) : None

Flammable Limits: LEL: : N/A

For safety reasons unsuitable extinguishing agents : None

Special hazards arising from the substance or mixture

In case of fire, the following can be released : Carbon monoxide (CO)
Carbon dioxide (CO₂)
Poisonous gases/vapors

Advice for firefighters

Protective equipment : Wear self-contained respiratory protective device.
Wear a fully protective suit.

Additional information : Collect contaminated firefighting water separately. It must not enter the sewage system.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear protective clothing.
Particular danger of slipping on leaked/spilled product.

Environmental precautions :

The following information refers to the leakage of large quantities:

Do not allow product to reach sewage system or any water course.
Dilute with plenty of water.

Avoid foaming by further diluting with water.
Do not allow to penetrate the ground/soil.

Methods and material for containment and cleaning up:

Ensure adequate ventilation.

- Small quantities : Dilute with plenty of water.
Dam up larger quantities and pump into containers.
Dispose of the material collected according to regulations.
- 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 disposal information.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with eyes and skin.
Avoid contact with clothing.
Avoid ingestion and inhalation.
Wash hands after use.
Do not use over burning metal or on live electrical equipment!

Information about protection against explosions and fires:

Observe the general rules of industrial fire protection.

Conditions for safe storage, including any incompatibilities

Storage : Requirements to be met by storerooms and receptacles: Store only in the original receptacle.

Information about storage in one common storage facility:

Store away from foodstuffs.
Store away from feed.

Further information about storage conditions:

Keep receptacle tightly sealed.
Protect from contamination.

Recommended storage temperature:

2 °C - to 60 °C

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering measures to reduce exposure:

No special ventilation requirements. General room ventilation is adequate.

Personal Protective Equipment

- Eyes** : Safety eyewear should be used when there is a likelihood of exposure.
- Hand** : For prolonged or repeated handling, wear impervious chemical resistant gloves.
- Skin** : Wear normal work place attire.
- Respiratory** : Avoid breathing vapors, spray or mists.

Exposure limits values:

Ingredient(s)	CAS #	Exposure Limits			
		OSHA PEL	NIOSH REL	ACGIH TLV [©]	CAL/OSHA PEL
Proprietary hydrocarbon surfactant blend	NA	NA	NA	NA	NA
Glycol Ether	NA	8-hour TWA (ST) STEL (C) Ceiling Peak	Up to 10-hour TWA (ST) STEL (C) Ceiling	8-hour TWA (ST) STEL (C) Ceiling	8-hour TWA (ST) STEL (C) Ceiling Peak
Xanthan Gum	11138-66-2	None	None	None	None
Sodium dodecyl Sulfate	151-21-3	None	None	None	None
H ₂ O	7732-18-5	NA	NA	NA	NA

Personal protective equipment:

- General protective and hygienic measures** : The usual precautionary measures should be adhered to when handling chemicals.
 Keep away from foodstuffs, beverages and feed.
 Do not eat, drink, smoke or sniff while working.
 Remove all soiled and contaminated clothing immediately.
 Avoid contact with eyes and skin.

 After skin contact, cleanse skin thoroughly.

Breathing equipment	<p>After contact with eyes, rinse immediately.</p> <p>: Not necessary if room is well-ventilated</p> <p>In case of unintentional release of substance, exceeding the occupational exposure limit value. In case of brief exposure or low pollution use a respiratory filter device. In case of intensive or longer exposure use a respiratory protective device that is independent of circulating air. Short term filter device (EN 149): Filter A-P2</p> <p>Breathing equipment is only to be used in order to handle the residual risk of short-term jobs if all other risk minimizing measures have been carried out e.g., retention and/or local exhaust.</p>
Protection of hands	<p>: Chemical resistant gloves (EN 374)</p> <p>The glove material has to be impermeable and resistant to the product/substance/preparation.</p> <p>Due to missing tests no recommendation to the glove material can be given for the product / preparation / chemical mixture. Selection of the glove material in consideration of the penetration times, rates of diffusion and the degradation.</p>
Material of gloves	<p>: The selection of suitable gloves depends upon the material, and also upon the quality of the gloves. The degree of protection will vary from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.</p>
Penetration time of glove material	<p>: The exact penetration time has to be found out by the manufacturer of the protective gloves and has to be observed.</p>
Eye protection	<p>: During spray applications tightly sealed goggles.</p>
Body protection	<p>: Protective work clothing.</p>

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Liquid
Color	: Slight yellow to natural colorless
Odor	: Characteristics
Vapor Pressure	: Not available
pH	: 6.5 – 7.5
Density (Water= 1)	: 1.05 ± 0.15 g/mL
Ignition temperature	: Not available
Explosion limits	<p>: Lower: Not available</p> <p>Upper: Not available</p>
Boiling Point	: Not available
Freezing point	: 26 degrees Fahrenheit

Flash Point	:	Not available
Melting point	:	Not Applicable
Solubility in Water	:	Soluble
Viscosity	:	908 cPs @ 60 rpm
Evaporation Rate	:	Not available

10. STABILITY AND REACTIVITY

Reactivity

Chemical stability	:	Stable
Thermal decomposition / conditions to be avoided:	:	No decomposition if used and stored according to specifications No decomposition if used according to specifications

Possibility of hazardous reactions **No dangerous reactions known**

Conditions to avoid Temperatures	:	< 1 °C, > +65 °C
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Incompatible materials

:	Strong oxidants Water reactive substances
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Hazardous decomposition products

No hazardous decomposition products if instructions for storage and handling are followed.

Carbon monoxide, carbon dioxide, and other organic materials.

Polymerization	:	Will not occur.
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11. TOXICOLOGICAL INFORMATION

Toxicity to animals	:	Non Toxic
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12. ECOLOGICAL INFORMATION

Aquatic toxicity:	:	Non Toxic
Toxicity	:	Not Available
Persistence and degradability	:	Readily biodegradable
Bio accumulative potential	:	No further relevant information available
Other adverse effects	:	No further relevant information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Recommendation	:	Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Must be recycled or disposed of according to the regulations. Waste has to be classified according to the European Waste Catalogue based on the identification of the waste generating source.
Uncleaned packaging	:	
Recommendation	:	Disposal must be made according to official regulations.
Recommended cleansing agent	:	Water; if necessary, with cleansing agents
Classification	:	Non-hazardous waste

14. TRANSPORT INFORMATION

Not regulated as hazardous by DOT 14.1 Product:

Shipping Class: 55; NMFC # 048580; Schedule B: 3813.00

14.2 Extinguishers: Shipping Class: 60; NMFC # 069185; Schedule B: 8424.10

Note: DOT classification does not necessarily apply to all sizes. For specific container size exceptions, refer to the Bill of Lading with your shipment.

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture. No data available

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

US REGULATIONS (Federal, State) and INTERNATIONAL CHEMICAL REGISTRATION

LAWS US regulation:

All the ingredients are on the TSCA inventory.

No components are reportable under SARA Title III, sec. 313.

No components are priority pollutants listed under the U.S. Clean Water Act Section 307 (2) (1) Priority Pollutant List (40 CFR 401.15).

Glycol Ethers are hazardous under CERCLA, however no RQ is assigned to this class.

RQ = Reportable Quantity

16. OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3.

R22: Harmful if swallowed.

R36: Irritating to eyes.



Meridian Fire Foam, LLC

Meridian, MS

Full text of H-Statements referred to under sections 2 and 3.

H319: Causes serious eye irritation.

H302: Harmful if swallowed.

Notice to Reader:

As of the date of issuance, we are providing available information relevant to the handling of this material in the workplace. All information contained herein is offered in good faith in the belief that it is accurate. This safety data sheet shall not be deemed to constitute or imply any warranty of any kind. In the event of an adverse incident associated with this material, this safety data sheet is not intended as a substitute for consultation with appropriately trained personnel (refer to section 1). Some information presented and conclusions herein are from sources other than test data on the substance itself. We do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with handling, storage, use or disposal of the product.

*** * * END OF SDS * * ***