

# SAFETY DATA SHEET



## TRANSMATE™ HIGH FOAM TYPE S

Version 2.0      Revision Date: 11/17/2020      SDS Number: 600000002161      Date of last issue: -  
Date of first issue: 05/01/2017

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### SECTION 1. IDENTIFICATION

Product name : TM HIGH FOAM TYPE S 5 GA

Product code : TM004-05 TM004-05

#### Manufacturer or supplier's details

Company name of supplier : Niteo Products, LLC

Address : Dallas TX 75225

Email Address : EHS@niteoproducts.com

Telephone : 1-844-696-4836

Emergency telephone number : 1-800-424-9300 / 1-703-741-5970

#### Recommended use of the chemical and restrictions on use

Recommended use : CAR WASH

Restrictions on use : Use only outdoors or in a well-ventilated area.

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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with 29 CFR 1910.1200

Skin irritation : Category 2

Eye irritation : Category 2A

Skin sensitisation : Category 1

Carcinogenicity : Category 1A

Carcinogenicity (Dermal) : Category 2

#### GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.  
May cause cancer.

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Suspected of causing cancer in contact with skin.

Precautionary statements

:

**Prevention:**

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
Wash skin thoroughly after handling.  
Contaminated work clothing should not be allowed out of the workplace.  
Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**

IF ON SKIN: Wash with plenty of soap and water.  
IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
IF exposed or concerned: Get medical advice/ attention.  
If skin irritation or rash occurs: Get medical advice/ attention.  
If eye irritation persists: Get medical advice/ attention.  
Take off contaminated clothing and wash before reuse.

**Storage:**

Store locked up.

**Disposal:**

Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

**Hazardous components**

Chemical name	CAS-No.	Concentration (% w/w)
Benzenesulfonic acid, C10-16-alkyl derivs.	68584-22-5	>= 10 - < 20
Cocamide diethanolamine	68603-42-9	>= 1 - < 5
Sodium hydroxide	1310-73-2	>= 1 - < 2
Sulfuric acid	7664-93-9	>= 0.1 - < 1
Diethanolamine	111-42-2	>= 0.1 - < 1
Hexahydro-1,3,5-tris(2-hydroxyethyl)-s-triazine	4719-04-4	>= 0.1 - < 1

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

### SECTION 4. FIRST AID MEASURES

General advice

:

Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.

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- If inhaled : If breathed in, move person into fresh air.  
If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : If on clothes, remove clothes.  
Remove contaminated clothing. If irritation develops, get medical attention.  
If on skin, rinse well with water.  
Wash contaminated clothing before re-use.  
If skin irritation persists, call a physician.
- In case of eye contact : Immediately flush eye(s) with plenty of water.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Obtain medical attention.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.  
May cause cancer.  
Suspected of causing cancer in contact with skin.

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### SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray  
Carbon dioxide (CO<sub>2</sub>)
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire-fighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : Carbon oxides  
Sodium oxides
- Specific extinguishing methods : Product is compatible with standard fire-fighting agents.
- Further information : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
 Avoid breathing dust.  
 Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.
- Environmental precautions : Prevent further leakage or spillage if safe to do so.  
 Prevent product from entering drains.  
 Do not flush into surface water or sanitary sewer system.  
 If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
 Keep in suitable, closed containers for disposal.

**SECTION 7. HANDLING AND STORAGE**

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : Do not breathe vapours/dust.  
 Do not smoke.  
 Avoid contact with skin and eyes.  
 Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.  
 Dispose of rinse water in accordance with local and national regulations.  
 Container hazardous when empty.  
 Smoking, eating and drinking should be prohibited in the application area.  
 For personal protection see section 8.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.  
 Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
 Observe label precautions.
- Further information on storage stability : No decomposition if stored and applied as directed.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**
**Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Sodium hydroxide	1310-73-2	C	2 mg/m <sup>3</sup>	ACGIH
		C	2 mg/m <sup>3</sup>	NIOSH REL

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		TWA	2 mg/m3	OSHA Z-1
		C	2 mg/m3	OSHA P0
Sulfuric acid	7664-93-9	TWA (Thoracic fraction)	0.2 mg/m3	ACGIH
		TWA	1 mg/m3	NIOSH REL
		TWA	1 mg/m3	OSHA Z-1
		TWA	1 mg/m3	OSHA P0
Diethanolamine	111-42-2	TWA (Inhalable fraction and vapor)	1 mg/m3	ACGIH
		TWA	3 ppm 15 mg/m3	NIOSH REL
		TWA	3 ppm 15 mg/m3	OSHA P0

### Hazardous components without workplace control parameters

Components	CAS-No.
Benzenesulfonic acid, C10-16-alkyl derivs.	68584-22-5
Cocamide diethanolamine	68603-42-9
Hexahydro-1,3,5-tris(2-hydroxyethyl)-s-triazine	4719-04-4

**Engineering measures** : Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

### Personal protective equipment

**Respiratory protection** : In the case of vapour formation use a respirator with an approved filter.

**Hand protection**

**Remarks** : Wear resistant gloves (consult your safety equipment supplier). The suitability for a specific workplace should be discussed with the producers of the protective gloves. Discard gloves that show tears, pinholes, or signs of wear.

**Eye protection** : Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist.

**Skin and body protection** : Choose body protection according to the amount and concentration of the dangerous substance at the work place.  
 Wear as appropriate:  
 Impervious clothing  
 Safety shoes

**Hygiene measures** : Handle in accordance with good industrial hygiene and safety practice.  
 When using do not smoke.  
 When using do not eat or drink.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance : liquid

Colour : green

Odour : mild

Odour Threshold : not determined

pH : 9 - 10

Melting point/freezing point : 0 °C

Boiling point/boiling range : 100 °C

Flash point : > 100 °C  
not determined

Evaporation rate : not determined

Flammability (solid, gas) : No data available

Self-ignition : not determined

Upper explosion limit / Upper flammability limit : not determined

Lower explosion limit / Lower flammability limit : not determined

Vapour pressure : not determined

Relative vapour density : not determined

Density : 1.0183 g/cm<sup>3</sup>

Solubility(ies)  
Water solubility : soluble

Partition coefficient: n-octanol/water : not determined

Decomposition temperature : not determined

Viscosity  
Viscosity, dynamic : not determined

Viscosity, kinematic : not determined

Molecular weight : No data available

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : No decomposition if stored and applied as directed.

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Possibility of hazardous reactions	:	No decomposition if stored and applied as directed. Hazardous polymerisation does not occur.
Conditions to avoid	:	No data available
Incompatible materials	:	Strong oxidizing agents
Hazardous decomposition products	:	Sodium oxides
Hazardous decomposition products	:	Carbon oxides

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**SECTION 11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

Inhalation  
Eye contact  
Skin contact  
Ingestion

**Acute toxicity**

Not classified based on available information.

**Product:**

Acute inhalation toxicity	:	Acute toxicity estimate: 12.67 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method
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**Components:****Benzenesulfonic acid, C10-16-alkyl derivs.:**

Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg Remarks: Information given is based on data obtained from similar substances.
Acute inhalation toxicity	:	LC50 (Rat): > 1.9 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403
Acute dermal toxicity	:	LD50 (Rabbit): > 5,000 mg/kg Remarks: Information given is based on data obtained from similar substances.

**Cocamide diethanolamine:**

Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg
Acute dermal toxicity	:	LD50 (Rabbit): > 2 g/kg Assessment: No adverse effect has been observed in acute dermal toxicity tests.

**Sodium hydroxide:**

Acute oral toxicity	:	LDLo (Rabbit): 500 mg/kg
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**Sulfuric acid:**

Acute oral toxicity : LD50 (Rat): 2,140 mg/kg

**Diethanolamine:**

Acute oral toxicity : LD50 (Rat, male and female): ca. 1,600 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC0 (Rat): 0.2 mg/l  
Exposure time: 8 h  
Assessment: No adverse effect has been observed in acute inhalation toxicity tests.  
Remarks: An LC50/inhalation/4h/rat could not be determined because no mortality of rats was observed at the maximum achievable concentration.

Acute dermal toxicity : LD50 (Rabbit): > 8,200 mg/kg

**Hexahydro-1,3,5-tris(2-hydroxyethyl)-s-triazine:**

Acute oral toxicity : LD50 (Rat, male and female): 1,000 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): 0.371 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rat): > 4,000 mg/kg  
Assessment: No adverse effect has been observed in acute dermal toxicity tests.

**Skin corrosion/irritation**

Causes skin irritation.

**Product:**

Remarks: May cause skin irritation and/or dermatitis.

**Components:****Benzenesulfonic acid, C10-16-alkyl derivs.:**

Species: Rabbit  
Result: Mild skin irritation

**Cocamide diethanolamine:**

Assessment: Irritating to skin.  
Result: Irritating to skin.

**Sodium hydroxide:**

Result: Corrosive after 3 minutes or less of exposure

**Sulfuric acid:**

Result: Causes severe burns.



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**Diethanolamine:**

Result: Irritating to skin.

**Hexahydro-1,3,5-tris(2-hydroxyethyl)-s-triazine:**

Method: OECD Test Guideline 404  
Result: No skin irritation

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Product:**

Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin.

**Components:**

**Benzenesulfonic acid, C10-16-alkyl derivs.:**

Species: Rabbit  
Result: Irritation to eyes, reversing within 7 days

**Cocamide diethanolamine:**

Result: Irritating to eyes.

**Sodium hydroxide:**

Result: Corrosive

**Sulfuric acid:**

Result: Irreversible effects on the eye  
Assessment: Corrosive

**Diethanolamine:**

Result: Risk of serious damage to eyes.

**Hexahydro-1,3,5-tris(2-hydroxyethyl)-s-triazine:**

Result: Irritating to eyes.  
Method: OECD Test Guideline 405

**Respiratory or skin sensitisation**

**Skin sensitisation**

May cause an allergic skin reaction.

**Respiratory sensitisation**

Not classified based on available information.

**Product:**

Remarks: May cause allergic skin reaction.

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**Components:**
**Benzenesulfonic acid, C10-16-alkyl derivs.:**

Assessment: Does not cause skin sensitisation.

**Sodium hydroxide:**

Exposure routes: Skin contact

Species: Humans

Result: negative

**Diethanolamine:**

Assessment: Does not cause skin sensitisation.

**Hexahydro-1,3,5-tris(2-hydroxyethyl)-s-triazine:**

Species: Guinea pig

Result: May cause sensitisation by skin contact.

**Germ cell mutagenicity**

Not classified based on available information.

**Components:**
**Benzenesulfonic acid, C10-16-alkyl derivs.:**

Genotoxicity in vitro : Test Type: Ames test  
 Test system: Salmonella typhimurium  
 Metabolic activation: with and without metabolic activation  
 Result: negative  
 Remarks: Information given is based on data obtained from similar substances.

**Diethanolamine:**

Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test  
 Test system: mouse lymphoma cells  
 Metabolic activation: with and without metabolic activation  
 Method: OECD Test Guideline 476  
 Result: negative

Test Type: Ames test  
 Test system: Escherichia coli  
 Metabolic activation: with and without metabolic activation  
 Method: Mutagenicity (Salmonella typhimurium - reverse mutation assay)  
 Result: negative

Test Type: Chromosome aberration test in vitro  
 Test system: Chinese hamster ovary cells  
 Metabolic activation: with and without metabolic activation  
 Method: OECD Test Guideline 479  
 Result: negative

Genotoxicity in vivo : Species: Mouse  
 Method: OECD Test Guideline 474  
 Result: negative



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Exposure routes: Ingestion  
Target Organs: Kidney  
Assessment: May cause damage to organs through prolonged or repeated exposure.

### Hexahydro-1,3,5-tris(2-hydroxyethyl)-s-triazine:

Exposure routes: Inhalation  
Target Organs: Respiratory system  
Assessment: Causes damage to organs through prolonged or repeated exposure.

### Aspiration toxicity

Not classified based on available information.

### Further information

#### Product:

Remarks: No data available

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## SECTION 12. ECOLOGICAL INFORMATION

### Toxicity

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Harmful to aquatic life.

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## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Dispose of in accordance with all applicable local, state and federal regulations.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

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## SECTION 14. TRANSPORT INFORMATION

Dangerous goods descriptions (if indicated below) may not reflect quantity, end-use, or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

### International Regulations

#### IATA-DGR

Not regulated as a dangerous good

#### IMDG-Code

Not regulated as a dangerous good

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

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### National Regulations

#### 49 CFR

Not regulated as a dangerous good

#### 49 CFR

Not regulated as a dangerous good

## SECTION 15. REGULATORY INFORMATION

### EPCRA - Emergency Planning and Community Right-to-Know Act

#### CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Diethanolamine	111-42-2	100	*

\*: Calculated RQ exceeds reasonably attainable upper limit.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Sulfuric acid	7664-93-9	1000	*

\*: Calculated RQ exceeds reasonably attainable upper limit.

#### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : Skin corrosion or irritation  
Serious eye damage or eye irritation  
Respiratory or skin sensitisation  
Carcinogenicity

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### California Prop. 65

WARNING: This product can expose you to chemicals including Cocamide diethanolamine, Sulfuric acid, Diethanolamine, which is/are known to the State of California to cause cancer, and Sulfur dioxide, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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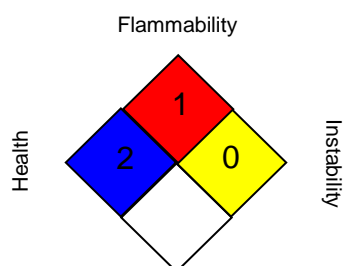
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### SECTION 16. OTHER INFORMATION

#### Further information

#### NFPA:



Special hazard.

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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