

# SAFETY DATA SHEET



## TRANSMATE™ FORMULA III RED

Version 1.1      Revision Date: 04/26/2023      SDS Number: 600000002172      Date of last issue: 12/14/2020  
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### SECTION 1. IDENTIFICATION

Product name : TM FORMULA III RED COND 30 GA  
Product code : TM190-30

#### Manufacturer or supplier's details

Company name of supplier : Niteo Products, LLC  
Address : North American Centre 4711 Yonge Street, 10th Floor Toronto, ON M2N 6K8, Canada  
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


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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the Hazardous Products Regulations

Skin irritation : Category 2  
Eye irritation : Category 2A  
Skin sensitisation : Category 1

#### GHS label elements

Hazard pictograms : 

Signal word : Warning

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

Precautionary statements : **Prevention:**  
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/ eye protection/ face protection.

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**Response:**

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

**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)
Sodium C14-16 olefin sulfonate	68439-57-6	7.975
2-Butoxyethanol	111-76-2	1.9999
Hexahydro-1,3,5-tris(2-hydroxyethyl)-s-triazine	4719-04-4	0.1963

**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.

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 : Do not give milk or alcoholic beverages.

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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.

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### SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray  
Carbon dioxide (CO2)
- 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  
Sulphur 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.
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### SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
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- 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.
- 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
2-Butoxyethanol	111-76-2	TWA	20 ppm 97 mg/m <sup>3</sup>	CA AB OEL
		TWA	20 ppm	CA BC OEL
		TWAEV	20 ppm 97 mg/m <sup>3</sup>	CA QC OEL
		TWA	20 ppm	ACGIH

## Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
2-Butoxyethanol	111-76-2	Butoxyacetic acid (BAA)	Urine	End of shift (As soon as possible after exposure ceases)	200 mg/g Creatinine	ACGIH BEI

- 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

Hand protection

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- 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.
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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Colour : red
- Odour : fruity
- Odour Threshold : not determined
- pH : 8 - 9
- Melting point/freezing point : 0 °C
- Boiling point/boiling range : not determined
- Flash point : > 100 °C
- 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 : 1.0070 g/cm<sup>3</sup>
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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.

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 : Sulphur 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 oral toxicity : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: > 10 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method

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**Components:****Sodium C14-16 olefin sulfonate:**

Acute oral toxicity : LD50 (Rat): 2,079 mg/kg  
Acute inhalation toxicity : LC50 (Rat): > 52 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Acute dermal toxicity : LD50 (Rabbit): > 6,000 mg/kg

**2-Butoxyethanol:**

Acute oral toxicity : LD50 (Guinea pig): 1,200 mg/kg  
Acute inhalation toxicity : LC50 (Guinea pig): > 633 ppm  
Exposure time: 1 h  
Test atmosphere: dust/mist  
Assessment: The component/mixture is moderately toxic after short term inhalation.  
Acute dermal toxicity : LD50 (Guinea pig): > 2,000 mg/kg  
Assessment: The component/mixture is moderately toxic after single contact with skin.

**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:****Sodium C14-16 olefin sulfonate:**

Species: Rabbit  
Result: Irritating to skin.

**2-Butoxyethanol:**

Method: Directive 67/548/EEC, Annex V, B.4.  
Result: Irritating to skin.

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**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:****Sodium C14-16 olefin sulfonate:**

Species: Rabbit

Result: Irreversible effects on the eye

**2-Butoxyethanol:**

Result: Irritating to eyes.

Method: OECD Test Guideline 405

**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.

**Components:****Sodium C14-16 olefin sulfonate:**

Species: Guinea pig

Assessment: Does not cause skin sensitisation.

Method: OECD Test Guideline 406

**2-Butoxyethanol:**

Species: Guinea pig

Method: OECD Test Guideline 406

Result: Not a skin sensitizer.

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

Species: Guinea pig

Result: May cause sensitisation by skin contact.



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### **Germ cell mutagenicity**

Not classified based on available information.

### **Components:**

#### **Sodium C14-16 olefin sulfonate:**

Genotoxicity in vitro : Test Type: Ames test  
Test system: Salmonella typhimurium  
Metabolic activation: with and without metabolic activation  
Result: negative

#### **2-Butoxyethanol:**

Genotoxicity in vitro : Test Type: Ames test  
Test system: Salmonella typhimurium  
Metabolic activation: with and without metabolic activation  
Result: negative

### **Carcinogenicity**

Not classified based on available information.

### **Reproductive toxicity**

Not classified based on available information.

### **STOT - single exposure**

Not classified based on available information.

### **STOT - repeated exposure**

Not classified based on available information.

### **Components:**

#### **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.

#### National Regulations

##### TDG

Not regulated as a dangerous good

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### SECTION 15. REGULATORY INFORMATION

### SECTION 16. OTHER INFORMATION

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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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