

Allied Oil & Supply, Inc
2209 S. 24th St.



SAFETY DATA SHEET

COYOTE CHEMICAL COMPANY

1111 N. Norbeck Street, Vermillion, SD 57069
1-800-658-3438

SECTION 1. Identification of the Product and of the Company

Product Name: Orange

Thunder

UN/ID Number:

N/A

Recommended Use: Automatic Floor Scrubber detergent

Restrictions on Use: Use only as directed on label

Date of Issue: 5/14/15

Supersedes: None

**Emergency Telephone
Numbers**

PERS: 800-633-8253

SECTION 2. Hazards Identification

EMERGENCY OVERVIEW

* Hazard Determination System (HDS): Health, Flammability, Reactivity

2 0 0

Hazard Category /GHS - Classification

Signal

Word:

DANGER!

Skin Corrosion

Serious Eye Damage



Category 1B

Category 1

Hazard Pictograms:

Hazard Statements:

Harmful if swallowed
Causes severe eye damage
May cause allergic skin reaction

Precautionary Statements - Prevention:

Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Do not breathe dust/fumes/vapor/mist/spray
Contaminated clothing should be washed
Wear protective clothes, clothing, and eye protection

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Precautionary Statements - Response:

IF ON SKIN: Gently wash with plenty of soap and water. Immediately remove contaminated clothing. seek medical attention if irritation persist.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Drink 2 to 3 glasses of water. Seek medical attention
IF INHALED: Remove victim to fresh air. If trouble breathing persists seek medical attention
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persist: seek medical attention.

Precautionary Statements - Storage: Keep out of reach of children in a safe location. Keep container closed.

Precautionary Statements - Disposal: Dispose of contents and container according to state/local/ federal disposal regulations.

Hazards not otherwise classified (HNOC): This product can cause skin burns and irritation.

SECTION 3. Composition/Information on Ingredients

NAME OF INGREDIENT	CAS NUMBER	% BY WEIGHT
Sodium (c14-16) olefin sulfonate	68439-57-6	4%
Ethylene Glycol Monobutyl Ether	111-76 5989-	4%
D-Limonene (95% Tech Grade)	27-5	1%
Alcohols, C9-11, ethoxylated	68439-46-3	2%
Sodium Metasilicate	10213-79-3	1%
Methyl Ester, Soybean Oil	67784-80-9	1%

SECTION 4. First Aid Measures

First aid measures for different routes of exposure

Eye Contact: Rinse with plenty of water and seek medical attention. Remove contact lenses if easy to do. Seek medical attention.

Skin Contact: Immediately wash affected area with plenty of water and remove all contaminated clothing. If irritation persists seek medical attention

Inhalation: Move to fresh air and keep victim at rest. Call a physician.

Ingestion: If swallowed immediate response is required. Do not induce vomiting. Never give anything by mouth to an unconscious person. Drink several glasses of water or milk. Seek medical attention.

Most important symptoms/effects, acute and delayed: Causes skin irritation and eye damage.

Notes to Physicians: Treat symptomatically.

SECTION 5. Fire Fighting Measures

Suitable extinguishing media: Dry chemical, CO₂, alcohol-resistant foam.

Unsuitable Extinguishing media: Not determined

Special Hazard: During fire hazardous gasses may form.

Special protective equipment for fire-fighters: As in any fire, wear self-contained breathing apparatus pressure demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Specific hazards arising from the chemical: This material is not expected to present any fire or explosion hazards under prescribed use conditions.

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SECTION 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal precautions: Use proper protective equipment as required.

Advice for emergency responders: Use personal protective equipment as required.

Methods and materials for containment and cleaning up

Methods for containment: Absorb with earth, sand or other non combustible material and transfer to containers for later disposal.

Methods for cleaning up: Contain spillage, and then collect with noncombustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

SECTION 7. Handling and Storage

Precautions for safe handling

Advice on safe handling: Use personal protective equipment as required. Keep container closed when not in use. Ensure all labels remain in good condition and adhered to the container. Keep out of reach of children

Conditions for safe storage, including incompatibilities

Storage Conditions: Keep containers tightly closed in a dry, cool and well ventilated place.

Incompatible products: Acids, strong oxidizers

SECTION 8. Exposure Control / Personal Protection

Exposure Guidelines

Chemical	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethylene Glycol Monobutyl Ether	TWA:20	TWA:50 TWA: 240 mg/m3 (Vacated) TWA:25 ppm	IDLH:700 ppm TWA 5 ppm TWA: 24 mg/m3
Sodium Metasilicate	2 mg/m3	(vacated)S* 2mg/m3	(-)

Appropriate engineering controls: Ensure adequate ventilation. Eye wash station and shower.

Personal Protective Equipment

Eye protection: Use appropriate eye protection goggles when handling material.

Hand protection: **Chemical** protective gloves.

Skin protection: Chemical resistant gloves, wear proper clothing.

Respiratory Protection: No special protective equipment required with adequate ventilation.

SECTION 9. Physical and Chemical Properties

Appearance

Physical state: Liquid

Form: Liquid

Color: orange

Odor: Cirtus

Odor threshold: Not Available

PH: 12.4 10% aqueous solution

Melting point/freeze point: No information available

Flash Point: Not applicable

Evaporation rate: No information available

Flammability (solid, gas):Not available

Upper/lower flammability or explosive limits

Flammability limit - lower %: Not available

Flammability limit - Upper %: Not applicable

Explosive limit- lower %: Not available

Explosive limit- upper %: Not available

Vapor pressure: Not determined or unknown

Relative density: Not available

Water solubility: No information available

Auto ignition temperature: Not available

Decomposition temperature: Not available

Specific gravity: 1.06

SECTION 10. Stability and Reactivity

Reactivity: The product is stable and non reactive under normal conditions of use, storage and transport.

Chemical stability: Material is stable under normal conditions.

Possibility of hazardous reactions: Contact with incompatible materials

Conditions to avoid: Contact with incompatible materials.

Incompatible materials: Acids, strong oxidizers.

Hazardous decomposition products: fire can lead to the release of toxic gases.

SECTION 11. Toxicological information

Chemical	LD 50 Oral	LD 50 Dermal	LC Inhalation
Sodium (c14-16) olefin sulfonate 68439-57-6	1300-2400 mg/kg	>2000 mg/kg	Not determined
Ethylene Glycol Monobutyl Ether	470 mg/kg (rat)	2270 (rat)	2.21 mg/l (rat) 4h 450 ppm (rat) 4h
D-Limonene (95% Tech Grade)	>5000 mg/kg (rat)	>5000 mg/kg (rabbit)	Not Available
Alcohols, C9-11, ethoxylated 68439-46-3	1400 mg/kg (rat)	>5000 mg/kg (rat)	Not determined
Sodium Metasilicate 10213-79-3	600 mg/kg (rat)	Not determined	Not determined
Methyl Ester, Soybean Oil	Not determined	Not determined	Not determined

Information on likely routes of exposure

Ingestion: Harmful if swallowed.

Inhalation: Avoid breathing vapors or mist.

Skin contact: Causes burns, redness, irritation.

Eye contact: Direct contact to eyes causes serious eye damage, redness, watering and blurry vision.

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Information on Physical, Chemical and Toxicological Effects

Symptoms: Please see section 4 of this SDS for symptoms

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity

The materials in this product are not known to be carcinogenic.

<u>Chemical Name</u>	<u>ACGIH</u>	<u>IARC</u>	<u>NTP</u>	<u>OSHA</u>
Sodium (c14-16) olefin sulfonate	No	No	No	No
Ethylene Glycol Monobutyl Ether	A3	Group 3	No	No
D-Limonene (95% Tech Grade)	No	No	No	No
Alcohols, C9-11, ethoxylated				
Sodium Metasilicate	No	No	No	No
Methyl Ester, Soybean Oil	No	No	No	No

ACGIH (American Conference of Governmental Industrial Hygienists)

Ether Glycol Monobutyl EB - A3 (Animal carcinogen)

IARC (International Agency for Research on Cancer)

Ether Glycol Monobutyl EB - A3 "not classified as a human carcinogen"

OSHA Occupational Safety and Health Administration of the US Department of Labor

No

NTP (National Toxicology Program)

No

STOT - Single Exposure None known

STOT - Repeated Exposure None known

Numerical Measures of Toxicity None Known

SECTION 12. Ecological Information

<u>Eco</u> <u>toxicity</u>			
Chemical	Toxicity to Fish	Toxicity to Algae	Toxicity to Invertebrates
Sodium (c14-16) olefin sulfonate	LC 50 2.6 mg/l, 96 h	EC 50 42.3 mg/l, 72 h	Not Established
Ethylene Glycol Monobutyl Ether	LC 50 (Oncorhynchus) 1474 mg/l	EC 50 1840 mg/l, 72 h	EC 50(Water Flea,48h) 1550mg/l
D-Limonene (95% Tech Grade)	LC 50 .702 mg/l, 96 h	No Data Available	EC 50(Water Flea,48h) 69.9 mg/l Ec 50 (48 h): 5.3
Alcohols, C9-11, ethoxylated	Lc 50 (96 h):8.5 mg/l	Erc 50 (96 h):1-10mg/l	mg/l No Data
Sodium Metasilicate	No Data Available	No Data Available	Available 800-5243 mg/l,
Methyl Ester, Soybean Oil	Lc 50 >1000mg/l, 96h		48h

Persistence and degradability: Readily biodegradable.

Bio accumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects: No other adverse environmental effects are expected from this product.

SECTION 13. Disposal Considerations

Waste treatment

Disposal Instructions: Dispose of contents in accordance with local/regional/national/international regulations.

Waste from residues / unused products: Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging: Disposal should be in accordance with applicable regional, national and local laws and regulations.

US EPA Waste Number				
Chemical Name	RCRA	RCRA-	RCRA-	RCRA-
	<small>Basis for Listing</small>		<small>D Series Waste</small>	<small>U Series Wastes</small>

N/A

California Hazardous Waste Status

Chemical Name	California Hazardous Waste Status
D-Limonene (95% Tech Grade)	Toxic

5989-27-5

SECTION 14. Transportation Information

DOT **Proper Name:** Compound Cleaning Liquid (Not Regulated)
Hazard Class: N/A
UN Number: N/A
Packing Group: II

IATA **Proper Name:** Compound Cleaning Liquid (Not Regulated)
Hazard Class: N/A
UN Number: N/A
Packing Group: II

IMDG **Proper Name:** Compound Cleaning Liquid (Not Regulated)
Hazard Class: N/A
UN Number: N/A
Packing Group: II

SECTION 15. Regulatory Information

International Inventories: Not determined

US Federal Regulations

SARA 313			
Chemical Name	CAS NUMBER	% BY WEIGHT	SARA 313- Threshold Value%
Ethylene Glycol Monobutyl Ether	111-76-2	8%	1.0%

CWA			
(Clean Water Act)			

Chemical Name CAS NUMBER CWA - Reportable Quantities CWA - Hazardous Substances

No material components listed

CERCLA			
Chemical Name	Hazardous Substances RQ	CERCLA/SARA RQ	Reportable Quantity (RQ)
No material components listed			

US Regulations	
Chemical Name	California Proposition 65
No material components listed	

No material components listed

US State			
Right-to-Know Regulations			

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Ethylene Glycol Monobutyl Ether	x	x	x

SECTION 16. Other Information

Issue Date: 05-14-15

Revision Date: None

Version: #1

NFPA rating



Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of this 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 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.

END OF SAFETY DATA SHEET

**NAME OF
INGREDIENT**

68439-57-6

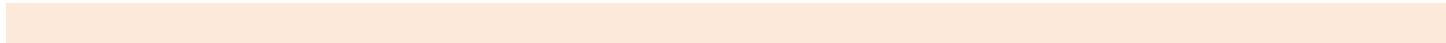
111-76

5989-27-5

68439-46-3

10213-79-3

67784-80-9



Chemical			

LD 50 Dermal

>2000 mg/kg

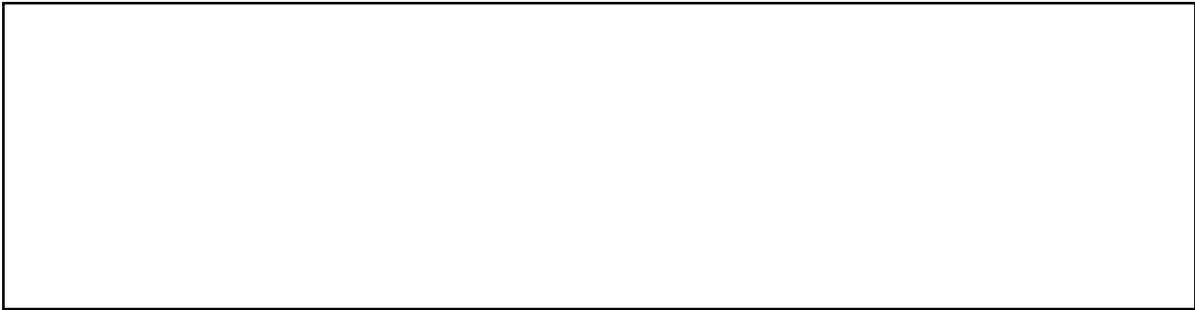
2270 (rat)

>5000 mg/kg (rabbit)

>5000 mg/kg (rat)

Not determined

Not determined



Eco
toxicity
Chemical

EC 50(Water Flea,48h) 1550mg/l

EC 50(Water Flea,48h) 69.9 mg/l

Ec 50 (48 h): 5.3 mg/l

No Data Available

US EPA
Waste
Number

N/A

RCRA-

Toxic	

DOT

IATA

IMDG

SARA 313			
SARA 313- Threshold Value%			

CWA			
(Clean			
Water			

Act)
CWA - Hazardous Substances

**CERCLA
Reportable Quantity (RQ)**

US	
Regulations	

US State			
Right-to- Know Regulations			

Pennsylvania

