

1. Identification

Product Name: Collar & Cuff Scrub
Synonyms: None
CAS Number: None
Product Use: Laundry Aid

Manufacturer: CLENACORP
Address: 1200 Industrial Road #3
San Carlos, CA 94070

General Information: (650)591-1733
Transportation Emergency Number: CHEMTREC: 800-424-9300

2. Hazards Identification

GHS Classification:

Health	Environmental	Physical
Acute Toxicity - Category 5(inhalation), Category 5(oral/dermal) Eye Corrosion - Category 3 Skin Corrosion - Category 3 Skin Sensitization - Category 3 Mutagenicity - None Carcenogenicity - None Reproductive/Development - None Target Organ Toxicity (Repeated) - None	Aquatic Toxicity – Acute Toxicity Category 3 Aquatic Toxicity—Long Term Hazard Category 3	None

GHS Label:

Symbols: None	
Hazard Statements CAUTION! If inhaled: None For skin and eyes: Prolonged contact may lead to irritation For allergic skin reaction: None known Harmful if Swallowed and in contact with skin Does not cause Lung Cancer Does not cause Birth Defects Does not cause Genetic Defects	Precautionary Statements Do not eat, drink, or use tobacco when using this product. Keep container tightly closed Keep away from heat and open flame Wear protective gloves and eye/face protection Use in a well ventilated area. Store in tightly closed container in cool/well ventilated place. Wash thoroughly after handling

Risk Codes: R22,R36, R38,

GHS Labeling Symbols: None

Signal Word CAUTION

Hazard Statements

H303 May be harmful if Swallowed

H316 Causes Mild Skin Irritation

Precautionary Statements

P262 Do not get in eyes, on skin or on clothing

P264 Wash hands thoroughly after handling

P270 Do not eat, drink or smoke when using this product

P273 Avoid release to the environment

P280 Wear protective gloves/eye protection/face protection

P333 + P313 If skin irritation or rash occurs: Get medical attention

P362 + P364 Take off contaminated clothing and wash before reuse

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
1. Terpene Hydrocarbons	5989-27-5	1-5%
2. Propylene Glycol Monobutyl Ether	5131-66-8	1-5%
3. Dipropylene Glycol Methyl Ether	34590-94-8	1-5%
4. Sodium Xylene Sulfonate	1300-72-7	2-4%
5. Surfactant Blend	various	3-6%
6. Sodium iminodisuccinate	144538-83-0	0.5-1%
7. Water	7732-82-8	74-88.5%

4. First Aid Measures

Eye: Flush with water for at least 15 minutes or until irritation ceases. If irritation persists, consult a doctor.

Skin: Flush with water until slipperiness is gone. Prolonged contact by sensitive individuals can cause irritation or allergic dermatitis.

Inhalation: Immediately remove person to fresh air. Keep person calm, if not breathing, give artificial respiration. If not breathing, give oxygen.

Ingestion: Do not induce vomiting. If person is conscious, give two glasses of water to dilute stomach content and call a physician.

5. Fire Fighting Measures

Suitable Extinguishing Media: Water, Alcohol Foam, Carbon Dioxide, or Dry Chemical

Fire Fighting Procedures: Use normal firefighting equipment including a NIOSH approved self-contained breathing apparatus (SCBA). Use water to cool containers. Product is soluble in water.

Unusual Fire and Explosion Hazards: None known

Combustion Products: Carbon Monoxide, Carbon Dioxide and Oxides of Nitrogen

6: Accidental Release Measures

- Keep unnecessary personnel out of the spill and containment areas.
- Vapor Protective Clothing--not necessary. Vapors are not corrosive or dangerous.
- Do not flush to streams or open waterways. Product may be released to sewer with additional water.

Personal Protection for Emergency Situations:

Evacuate the area of all unnecessary personnel.

Spill Mitigation Procedures

Air Release: Vapors may be suppressed by the use of water fog.

US regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of stipulated quantities (RQ). US Coast Guard National Response Center is 800-424-8802.

Water Release: This material is soluble in water. Contain all liquid for treatment and/or disposal as a (potential) hazardous waste. If not contaminated with other chemicals, this can be disposed of in a sanitary sewer.

Land Release: Create a dike or trench to contain materials. Absorb spill, or pump to liquid storage for disposal in a sanitary sewer or landfill. Decontaminate all clothing and the spill area using detergent and flush with large amounts of water; contain water for disposal in sanitary sewer.

Additional Spill Information:

Stop source of spill as soon as possible and notify appropriate personnel. Utilize emergency response personal protection equipment (PPE) prior to the start of any response. Evacuate all non-essential personnel. Dispose of spill residues per guidelines under Disposal Considerations.

7. Handling and Storage

Handling: Prevent spills by using containment dikes and plugging drains in a storage or dispensing area. Use chemical resistant gloves and eye protection to prevent exposure on handling. Do not take internally. Avoid contact with skin, eyes, and clothing. Avoid breathing vapor or mist.

Storage: Store product in original containers. Keep containers closed. Store in cool, well-ventilated areas. Keep away from acids or oxidizers.

8. Exposure Controls / Personal Protection

Exposure limits:

Component 1: Terpene Hydrocarbons	30 ppm
Component 2: Propylene Glycol Monobutyl Ether	100 ppm
Component 3: Dipropylene Glycol Methyl Ether	100 ppm
Component 4: Sodium Xylene Sulfonate	none
Component 5: Surfactant Blend	none
Component 6: Sodium iminodisuccinate	none
Component 7: Water	none listed

Engineering Controls: Local or mechanical ventilation recommended

Personal Protective Equipment (PPE):

Eye Protection: Chemical Splash Goggles or Face Shield

Skin Protection: **Chemical** gloves and apron. Nitrile Latex or neoprene recommended

Respiratory Protection: None required except in event of a spill. Transfer fluids in areas with adequate ventilation.

9. Physical and Chemical Properties

Flashpoint:	>200°F	Autoignition Temperature:	unknown
Boiling Point:	200°F	Melting Point:	30°F
Vapor Pressure:	unknown	Vapor Density:	>1
% Solubility:	100%	Pour Point:	30°F
Molecular Formula:	not applicable		
Odor and Appearance:	Yellow colored liquid. Lemon-orange fragrance		
Lower Explosive Limit (LEL):	Unknown	Upper Explosive Limit (UEL):	unknown
Specific Gravity:	1.006 g/ml	% Volatile	90%
Evaporation Rate:	As water	Viscosity	none
Octanol/Water Partition:	Not applicable	pH	9-10
Molecular Weight:	Not applicable		

10. Stability and Reactivity

Stability/Incompatibility: Product is stable. Hazardous Polymerization will not occur. Avoid Strong Acids and Strong Oxidizing Agents.

Hazardous Reactions: Strong Acids or oxidizing agents can cause chemical breakdown of the mixture

11. Toxicological Information

Signs and Symptoms of overexposure:

Acute Effects: Product can cause itching or burning eyes.

Eye Contact: Irritation and redness can occur with contact with liquid.

Skin Contact: May cause reddening, skin irritation on chronic contact

Inhalation: May cause irritation and pulmonary edema

Ingestion: May cause gastro-intestinal discomfort.

Target Organ Effects: May cause gastro-intestinal discomfort, irritation to respiratory tract.

Chronic Effects: Allergic irritation may result in individuals who are susceptible to allergic reactions and have chronically spilled material on hands or clothing.

Medical Conditions Aggravated: Individuals with damaged lungs from smoking or other health issues should not dispense (pour bottles) this product, due to possible pneumonia like reaction especially in closed spaces.

Acute Toxicity:

Oral LD50 (rat)	2000mg/kg	
Dermal LD50(rabbit)	>5000mg/kg	
Inhalation LC50(rat)	unknown	
IDLH	4 hour	8 hour
None Known		

12. Ecological Information

LC₅₀ (Fathead Minnows) = estimated 500 mg/l

EC₅₀ (Daphnia) = unknown mg/L/48 hr.

Bioaccumulation/Biodegradability : Bioaccumulation is not expected to be significant.
This product is readily Biodegradable.

13. Disposal Considerations

As sold, this product is not a hazardous waste and can be disposed of safely in any sewer or sanitary system. Flush down with plenty of water.

COMPLY WITH FEDERAL, STATE, AND LOCAL REGULATIONS

14. Transport Information

U.S. Department of Transportation (DOT)

Proper Shipping Name: Not DOT Regulated

Hazard Class: None

UN/NA Number: Not Applicable

Packing Group: Not Applicable

Labels Required: None

International Maritime Organization (IMDG)

Proper Shipping Name: Not DOT Regulated

Hazard Class: None

UN/NA Number: Not Applicable

Packing Group: Not Applicable

Labels Required: None

15. Regulatory Information

U.S. Federal Regulations

CERCLA: There is no designated reportable quantity (RQ) for this chemical. If appropriate, immediately report spills to the National Response Center (800/424-8802) as required by federal law. Also contact appropriate state and local regulatory agencies.

Toxic Substances Control Act (TSCA): All components of this product are included on the TSCA inventory

Clean Water Act (CWA): No known components in this product are hazardous substances under the Clean Water Act. Consult Federal, State and local regulations for specific requirements.

CAA (CAA): No known components in this product are hazardous substances under the Clean Air Act. Consult Federal, State and local regulations for specific requirements.

SARA

Immediate:	No
Delayed:	No
Fire:	No
Pressure:	No
Reactivity:	No

This product contains the following toxic Chemicals:

Component	CAS number	Maximum
NONE	NONE	NONE

State Regulations

California: NONE

International Regulations

Canadian Environmental Protection Act: NONE

Canadian Workplace Hazardous Materials Info Systems WHMIS

Class: NONE

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

EU Classification of Existing Chemicals (EINECS): All of the components of this product are included on EINECS.

EU Classification: F None H None T None N None

State Regulations

California: This product contains a chemical known to the state of California to cause cancer.

International Regulations

All components of this product are listed on or are exempt from the following inventories:

DSL	Canadian Inventory--All components are listed
CEPA	Canadian Inventory
EU	European Inventory
EINECS/ELINCS	European Inventory
AICS	Australian Inventory
NICNAS	Australian Inventory
IECSC	Chinese Inventory
ENCS	Japanese Inventory
MITI	Japanese Inventory
TCC-ECL (KECL)	Korean Inventory
HSNO	New Zealand Inventory

Canadian Environmental Protection Act: NONE

Canadian WHMIS **Class:** NONE

Canadian DSL All products are listed on the Canadian DSL and any hazards with this product are listed in this SDS.

EU Classification of Existing Chemicals (EINECS): All of the components of this product are included on EINECS.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

EU Classification of Existing Chemicals (EINECS): All of the components of this product are included on EINECS.

EU Classification: F None H None T None N None

ODC This product does not contain any ozone depleting chemicals

VOC This product has low VOC's

EU Risk R and Safety Phrases

R22 Harmful if Swallowed

R36,38 Irritating to skin and eyes

S02 Keep out of reach of children

S24,25 Avoid contact with skin and eyes

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36 Wear suitable clothing, gloves and eye/face protection.

S62 If swallowed, do not induce vomiting. Seek medical advice immediately and show the container to the physician.

16. Other Information

National Fire Protection Association (NFPA) Ratings: This information is intended solely for the use of individuals trained in the NFPA system.

Health: 1

Flammability: 0

Reactivity: 0

Revision Indicator: New SDS Date 4/7/15

Disclaimer: The information contained herein is accurate to the best of our knowledge. ClenaCorp makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances.

