HSWFT---SUPCO ORANGE PROTECTION OF THE HEAD CLEANER HAND Cleaner

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# 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code:** R/1210NC

**Product Name:** Supco D'Limonene Waterless Hand Cleaner

Shepard Bros., Inc. **Company Name: Phone Number:** 503 S. Cypress St. +1 (562)697-1366

La Habra, CA 90631

www.shepardbros.com Web site address:

**CHEMTREC** +1 (800)424-9300 **Emergency Contact:** 

Waterless Hand Cleaner **Product Category:** 

#### 2. HAZARDS IDENTIFICATION

Flammable Liquids, Category 3 Skin Corrosion/Irritation, Category 3 Skin Sensitization, Category 1 Aquatic Toxicity (Acute), Category 2 Aquatic Toxicity (Chronic), Category 2







**GHS Signal Word:** Warning

**GHS Hazard Phrases:** H226 - Flammable liquid and vapor.

H316 - Causes mild skin irritation.

H317 - May cause an allergic skin reaction.

H401 - Toxic to aquatic life.

H411 - Toxic to aquatic life with long lasting effects.

**GHS Precaution Phrases:** P233 - Keep container tightly closed.

> P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P240 - Ground/bond container and receiving equipment.

P241 - Use explosion-proof electrical/ventilating/lighting/.../ equipment.

P243 - Take precautionary measures against static discharge.

P242 - Use only non-sparking tools.

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P362+364 - Take off contaminated clothing and wash it before reuse.

P273 - Avoid release to the environment.

P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated **GHS Response Phrases:** 

clothing. Rinse skin with water/shower. P332+313 - If skin irritation occurs, get medical

advice/attention.

P321 - Specific treatment see Section 4 reference to supplemental first aid instruction - if

immediate measures are required.

P391 - Collect spillage.

**GHS Storage and Disposal** 

P403+235 - Store in cool/well-ventilated place.

Phrases:

P501 - Dispose of contents and containers in accordance with local, regional, national,

and international regulations.

**GHS** format

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**Hazard Rating System:** 

Flammability Instability
Health Special Hazard

Potential Health Effects (Acute and Chronic):

Chronic: In 2-year gavage studies, there was clear evidence of carcinogenic activity of d-limonene for male rats, as shown by increased incidences of tubular cell hyperplasia, adenomas, and adenocarcinomas of the kidney. There was NO evidence of carcinogenic

activity of d-limonene for female rats, for male mice, or for female mice.

**Inhalation:** Slight nasal irritation may occur. May cause respiratory tract irritation.

**Skin Contact:** May cause irritation to extra-sensitive skin.

**Eve Contact:** Moderately irritating to the eyes.

**Ingestion:** Harmful if swallowed. May cause gastrointestinal irritation.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS # Hazardous Components (Chemical Name) Concentration
5989-27-5 Limonene 1.00 - 5.00 %

#### 4. FIRST AID MEASURES

**Emergency and First Aid** 

Procedures:

**In Case of Inhalation:** Remove from exposure and move to fresh air immediately. If breathing is difficult, give

oxygen. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask. Get medical attention immediately.

In Case of Skin Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and

lower eyelids. Remove contact lenses, if present and easy to do after 5 minutes and continue rinsing for an additional 15 minutes. Get medical aid if irritation develops or

persists.

**In Case of Eye Contact:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and

lower eyelids. Remove contact lenses, if present and easy to do after 5 minutes and continue rinsing for an additional 15 minutes. Get medical aid if irritation develops or

persists.

**In Case of Ingestion:** Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or

water. Never give anything by mouth to an unconscious person. Get medical attention

immediately.

Note to Physician: Treat symptomatically and supportively. Show this safety data sheet to the doctor in

attendance.

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#### 5. FIRE FIGHTING MEASURES

Flash Pt: NA Method Used: Not Applicable

LEL: No data. UEL: No data. **Explosive Limits:** 

**Autoignition Pt:** NA

Suitable Extinguishing Media: Foam, CO2, water fog, sand/earth.

**Fire Fighting Instructions:** As in any fire, wear a self-contained breathing apparatus in pressure-demand,

MSHA/NIOSH approved (or equivalent), and full protective gear.

Flammable Properties and

High temperatures and fire conditions can result in the formation of carbon monoxide and

Hazards:

carbon dioxide.

## 6. ACCIDENTAL RELEASE MEASURES

**Protective Precautions, Protective Equipment and Emergency Procedures:** 

Use proper personal protective equipment as indicated in Section 8.

**Environmental Precautions:** Steps To Be Taken In Case

Do not let product enter drains, sewers, watersheds or water systems.

Spills/Leaks: Provide ventilation. Isolate hazard area. Keep unnecessary and

**Material Is Released Or** 

unprotected personnel from entering. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Contain spill using an inert diking material. Transfer material into an approved container for possible recovery and reuse or for disposal.

## 7. HANDLING AND STORAGE

Precautions To Be Taken in

Handling:

Spilled:

Use as directed. Use with adequate ventilation. Avoid ingestion and inhalation. Wash

thoroughly after handling. Remove contaminated clothing and wash before reuse. Ground

and bond containers when transferring material. Use non-sparking tools.

Precautions To Be Taken in

Storing:

Store in cool place. Do not store in direct sunlight. Keep away from heat, sparks and

flame. Store in a tightly closed container. Keep container closed when not in use. Protect

containers against damage.

Other Precautions: Handle in accordance with good industrial hygiene and safety practices. Keep out of

reach of children.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS# **Partial Chemical Name Other Limits OSHA TWA ACGIH TWA** 

5989-27-5 No data. No data. No data. Limonene

**Respiratory Equipment** 

No special respiratory protection is needed under normal conditions of use.

(Specify Type):

Not required under normal use conditions. **Eve Protection: Protective Gloves:** Not required under normal use conditions. Other Protective Clothing: Not required under normal use conditions.

**Engineering Controls** 

Ensure adequate ventilation. Facilities storing or utilizing this material should be equipped

(Ventilation etc.): with an eyewash facility and a safety shower.

Work/Hygienic/Maintenance

Handle in accordance with good industrial hygiene and safety practice.

Practices:

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical States:** [ ] Gas [X] Liquid [ ] Solid

Appearance and Odor: Appearance: Thick orange gel.

Odor: citrus-like odor.

NA **Melting Point:** NA **Boiling Point: Decomposition Temperature: NA** Autoignition Pt: NA

NA Flash Pt: Method Used: Not Applicable

LEL: No data. UEL: No data. **Explosive Limits:** 

0.99 - 1.01 Specific Gravity (Water = 1):

NA Density: NA **Bulk density:** Vapor Pressure (vs. Air or NA

mm Hg):

NA Vapor Density (vs. Air = 1): **Evaporation Rate:** NA

Solubility in Water: see notes

**Solubility Notes:** Complete except pumice.

**Saturated Vapor** 

**Concentration:** 

Viscosity: NA

8.1 - 9.1:Ha

NA **Percent Volatile: VOC / Volume:** NA Particle Size: NA **Heat Value:** NA **Corrosion Rate:** NA

## 10. STABILITY AND REACTIVITY

Reactivity: High temperatures and fire conditions can result in the formation of carbon monoxide and

carbon dioxide.

Unstable [ ] Stability: Stable [X]

**Conditions To Avoid -**High temperatures, Ignition sources, Incompatible materials, Direct sunlight.

Instability:

Incompatibility - Materials To Strong oxidizing agents.

Avoid:

Hazardous Decomposition or High temperatures and fire conditions can result in the formation of carbon monoxide and

carbon dioxide. **Byproducts:** 

**Possibility of Hazardous** Will occur [ ] Will not occur [X]

Reactions:

**Conditions To Avoid -**No data available.

**Hazardous Reactions:** 

**GHS** format

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#### 11. TOXICOLOGICAL INFORMATION

**Toxicological Information:** Epidemiology: No information available.

Teratogenicity: No information available.

Reproductive Effects: No information available.

Mutagenicity: No information available. Neurotoxicity: No information available.

Other Studies: CAS# 5989-27-5:

Acute toxicity, LD50, Oral, Rat, 4400 mg/kg Acute toxicity, LD50, Skin, Rabbit, 5gm/kg.

Irritation or Corrosion: No data available.

Carcinogenicity/Other

040# 5000 07 5 No

Information:

CAS# 5989-27-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

#### 12. ECOLOGICAL INFORMATION

**General Ecological** 

Information:

Other: Dipentene, which is optically inactive limonene, is a marine pollutant.

Results of PBT and vPvB

assessment:

Other Studies: CAS# 5989-27-5:

LC50, Water Flea (Daphnia magna), 577 ug/L, 48H, Mortality

LC50, Fathead Minnow (Pimephales promelas), 600 - 800 ug/L, 24H, Mortality

Persistence and

Degradability:

Limonene can be readily degraded in soil.

Bioaccumulative Potential: May bioconcentrate in aquatic organisms and fish.

**Mobility in Soil:** Has low mobility in soil and may rapidly volatilize in the atmosphere.

#### 13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as

a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Observe all federal,

state, and local environmental regulations.

#### 14. TRANSPORT INFORMATION

#### LAND TRANSPORT (US DOT):

**DOT Proper Shipping Name:** Not Regulated.

DOT Hazard Class: UN/NA Number:

## 15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS # Hazardous Components (Chemical Name) S. 302 (EHS) S. 304 RQ S. 313 (TRI)

5989-27-5 Limonene No No No

CAS # Hazardous Components (Chemical Name) Other US EPA or State Lists

5989-27-5 Limonene TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No

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# **16. OTHER INFORMATION**

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Additional Information: No data available.

**Company Policy or** 

Disclaimer:

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