



MATERIAL SAFETY DATA SHEET

Product name: TENS Skin Prep Wipes
Model Number: LW7275
Date prepared: February 27, 2014

1. COMPANY IDENTIFICATION:

Manufacturer: Roscoe Medical Inc.
21973 Commerce Pkwy
Strongsville, OH. 44149

Department: Quality Department

Telephone Number: 800-633-4839

Fax Number: 650-697-3596

2. HEALTH HAZARD INFORMATION

Recommended Use:

Topical skin antiseptic

Potential Health Effects:

Eye: Irritating, and will injure eye tissue if not removed promptly.

Skin: Low order of toxicity; frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

Inhalation: Vapor concentrations above recommended exposure levels may be irritating to the eyes and the respiratory tract; may cause headaches and dizziness; could be anesthetic and may have other central nervous system effects.

Ingestion: Ingestion may cause nausea, vomiting, stomach pains, diarrhea, coma, or death; small amount of liquid aspirated into the respiratory system during ingestion or from vomiting may cause pneumonia or pulmonary edema.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Isopropyl alcohol –

CAS#: 67-63-0

v/v%: 70

Weight/Pad: $0.3 \pm 0.05g$

Potential Health Effects: skin contact, eye contact

Water –

CAS#: 7732-18-5

Weight/Pad: $0.15 \pm 0.03g$

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4. FIRST-AID MEASURES

Eye Contact:

Immediately flush eyes with large amount of water for at least 15 minutes. Get prompt medical attention.

Skin Contact:

Flush with large amounts of water, use available soap. Remove grossly contaminated clothing, including shoes, and lauder before reuse.

Inhalation:

Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

Ingestion:

If swallowed, induce vomiting. Keep at rest. Get prompt medical attention.

NOTE TO PHYSICIANS:

Keep victim warm and quiet.

Protection of First-aiders:

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. FIRE-FIGHTING MEASURES

Flammable Properties:

Flash Point: 12 degrees Celsius

OSHA Flammability Class: 3

LEL/UEL: 2.0/12.7(vol%)

Auto Ignition Temperature: 399 degrees Celsius

Extinguishing Media:

Water spray, foam dry chemical, or carbon dioxide.

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Firefighting Instructions:

Use water spray to cool fire exposed surfaces and to protect personnel. Shut off fuel to fire. If a leak or spill has not ignited, use water spray to disperse the vapors and to protect men. Either allow fire to burn under controlled conditions or extinguish with alcohol type foam or dry chemical. Try to cover liquid spills with foam. Spill fires may be extinguished by flooding with large amounts of water.

6. ACCIDENTAL RELEASE MEASURES

If spilled/released, eliminate sources of ignition. Warn occupants of downwind areas of fire and explosion hazard. Prevent liquid from entering sewers, watercourses, or low areas. Dilute contained spill with water.

7. HANDLING AND STORAGE

Keep container closed. Handle containers with care. Store in a cool, well-ventilated place away from incompatible materials. Do not hand, store, or open near an open flame, sources of heat, or sources of ignition. Protect material from direct sunlight. This material is not a static accumulator, but use proper bonding and/or grounding procedures. Do not pressurize, cut, heat, or weld containers. Empty product containers may contain product residue. Do not reuse empty containers without commercial cleaning or reconditioning.

The storage temperature requirement is 10°C-30°C.

The shelf life of this product is 3 years.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:

The use of mechanical dilution ventilation is recommended whenever this product is used in a confined space, is heated above ambient temperatures or otherwise to maintain ambient concentration below the recommended threshold exposure limit. Use explosion-proof ventilation equipment.

Protective Equipment for Respiration:

Where concentrations in air may exceed the limits given in this section, it is recommended to use a half face filter mask to protect from overexposure by inhalation. Suitable filter material depends on the amount and type of chemicals being handled in the workplace, but filter material of type "A" or similar may be considered for use.

Skin Protection:

The use and choice of personal protection equipment is related to the hazard of the product, the workplace, and the way the product is handled. In general we recommend as a minimum safety precaution that safety glasses with side shields and workclothes protecting arms, legs, and body be used. In addition, any person

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visiting an area where this product is handled at processed should at least wear safety glasses with side shields.

Eye/Face Protection:

When handling this product, it is recommended to wear splash-resistant goggles.

Other Protective Equipment:

No smoking; keep good health habits.

9. PHYSICAL AND CHEMICAL PROPERTIES

NOTE: Unless otherwise stated, values are determined at 20 degrees Celsius (68 degrees Fahrenheit) and 760mm Hg (1 atm)

Flash Point: 12 degrees Celsius

Flammable/Explosive Limits (%): LEL/UEL: 2.0/12.7 vol%

Auto Ignition Temperature: 399 degrees Celsius

Appearance: Clear; colorless

Physical State: Liquid

Odor: Alcohol odor

pH: Not available

Vapor Pressure (mm Hg): 33 mmHg

Boiling Point: 80.3 between 82 and 83 degrees Celsius

Freezing/Melting Point: -88.5 degrees Celsius

Solubility in Water: 100 wt%

Specific Gravity: 0.785

Evaporation Rate (nBuAc=1): 2.5

10. STABILITY AND REACTIVITY

Chemical Stability: Stable

Condition to Avoid: N/A

Incompatible Materials: Strong Oxidizing agents, acids, acid anhydride, halogen

Hazardous Decomposition Products: N/A

Hazardous Polymerization: N/A

11. TOXICOLOGICAL INFORMATION

Oral (rat) LD50: 5045 mg/kg

Eye (rabbit): 12800 mg/kg

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12. ECOLOGICAL INFORMATION

Environmental Mobility: This product is water soluble and is expected to remain primarily in water.

Environmental Biodegradability: This product biodegrades rapidly and is “readily” biodegradable according to OCED guidelines. This substance is expended to be removed in water treatment facility.

Ecotoxicity and Bioaccumulation: Low acute toxicity to aquatic organisms is expected.

13. DISPOSAL CONSIDERATIONS

The following advice only applies to the product as supplied.

Combination with other material may well indicate another route or disposal. If in doubt, contact the local Authorities. Empty packaging should be taken for recycling, recovery, or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local regulations.

This product is NOT suitable for disposal by either landfill or via municipal powers, drains, natural streams, or rivers. This product does not produce ashes upon burning, and can be burned directly in an appropriate environment.

14. TRANSPORT INFORMATION

Dangerous goods code: 32064

UN Code: 1219

Packaging Groups: 052

15. REGULATORY INFORMATION

Governing Directive: Dangerous Substances Directive 67/548/EC, as modified.

Warning: S07/09 Keep container tightly closed in a well-ventilated place.

S16 Keep away from sources of ignition – No Smoking

S24/25 Avoid contact with skin and eyes

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

S33 Take precautionary measures against static discharges

S43B In case of fire, use sand, earth, chemical powder, or alcohol type foam

16. OTHER INFORMATION

This product information contained in this Material Safety Data Sheet was collected from various supplier sources. Roscoe Medical is not responsible for errors or omissions in, or completeness of the product information. Roscoe disclaims all warranties of any kind or nature, including any implied warranty of merchantability or of the suitability or fitness of any product for a particular purpose.

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To the best of our knowledge, the information contained herein is accurate. However, Roscoe Medical does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user.

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