

**MATERIAL SAFETY DATA SHEET**

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Name: **Iodine Shampoo**  
Chemical Name: Chemical Mixture  
Chemical Family: Mixture  
Formula: Proprietary  
CAS Number: Mixture

**DISTRIBUTED BY:**  
Jacks Inc.  
2250 Kenskill Ave.  
Washington Court House, Ohio 43160  
Information: (877)-335-5121

**MANUFACTURED BY:**  
Tenda Horse Products, LLC.  
P.O. Box 614  
Mount Vernon, Ohio 43050

Prepared By: Andrew J. Sill - Industrial Hygienist / Certified Environmental Manager  
Cierra Environmental and Consulting Inc.  
Phone: 330-325-0675

In case of spill or emergency call CHEMTREC: 1-800-424-9300

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

**COMPONENTS**

Components Not Listed are Trade Secrets In Accordance with OSHA 29 CFR 1910.1200

Component / CAS	Percent	ACGIH TLV	OSHA Short Term Exposure Limit (STEL) value:
Water 7732-18-5	60% - 80%	200 ppm PEL	400 ppm PEL
Iodine 7553-56-2	2.5%	0.1 ppm PEL	0.1 ppm PEL
Ethylene Glycol Phenyl Ether 122-99-6	0% - 1%	N/A	N/A
Diethylene Glycol Phenyl Ether 104-68-7	0% - 1%	N/A	N/A
Ethanol 64-17-5	0% - 1%	1000 ppm	1000 ppm (PEL)
Sodium Chloride 7647-14-5	1% - 8%	N/A	N/A
Aloe Vera 100084-89-7	0% - 5%	N/A	N/A
Propriety Surfactants	15% - 25%	N/A	N/A

### 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Hazardous in case of skin contact (irritant), eye contact (irritant), ingestion, or inhalation. The substance is toxic to thyroid. The substance may be toxic to blood, kidneys, liver, skin, eyes. Repeated or prolonged exposure to the substance can produce target organs damage.

#### Effects from Exposure:

**INGESTION:** Can cause severe burns of the mouth, throat and stomach. Causes abdominal pain, diarrhea, fever, vomiting, stupor and shock.

**SKIN CONTACT:** Slightly hazardous in case of skin contact. The amount of tissue damage depends on length of contact. Skin contact can produce inflammation and blistering. Skin inflammation is characterized by itching, scaling, reddening, or occasionally blistering. May be absorbed through the skin with possible systemic effects.

**INHALATION:** Inhalation may produce irritation to respiratory tract, characterized by burning, sneezing and coughing.

**EYE CONTACT:** Eye contact (corrosive). Eye contact can result in corneal damage or blindness. May cause moderate eye irritation. Vapor and/or liquid causes irritation. Inflammation of the eye is characterized by redness, watering, and itching.

**MEDICAL CONDITIONS AGGRAVATED:** Preexisting eye, skin, and respiratory disorders may be aggravated.

**CHRONIC EFFECTS/CARCINOGENICITY:** Chronic ingestion of iodides may produce "iodism," which may be manifested by skin rash, running nose, headache and irritation of mucous membranes. Weakness, anemia, loss of weight, and general depression may also occur.

**PRODUCTS/INGREDIENTS:** No information at this time.

**PRINCIPLE ROUTES OF EXPOSURE:** Dermal - skin.

**OTHER:** No information at this time.

### 4. FIRST AID MEASURES

**INGESTION:** Do not induce vomiting unless directed to by authorized medical personnel. In case of accidental ingestion, call a physician immediately.

**SKIN:** Wash with soap and water. Consult physician if irritation persists.

**INHALATION:** Under normal use inhalation is not a primary route of entry. If breathing is difficult, remove to fresh air and seek medical attention.

**EYES:** Flush eyes thoroughly for 15 minutes with water. Consult Physician.

**NOTE TO PHYSICIAN:** Treatment based on sound judgment of physician and individual reactions of patient.

### 5. FIRE FIGHTING MEASURES

**FLAMMABLE LIMITS IN AIR (%):** Not flammable

**SENSITIVITY TO MECHANICAL IMPACT (Y/N):** NO

**SENSITIVITY TO STATIC DISCHARGE:** Sensitivity to static discharge is not expected.

**EXTINGUISHING MEDIA:** CO<sub>2</sub>, Sand, Foam, ABC, or Water Spray

**SPECIAL FIREFIGHTING PROCEDURES:** Avoid inhalation of smoke and fumes.

## 6. ACCIDENTAL RELEASE MEASURES

**ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Wash spill area with water. Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## 7. HANDLING AND STORAGE

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Avoid contact with eyes. Protect container from physical abuse. Position the containers so that any labeling is visible. Protect from heat, spark, and ignition sources.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** None recommended under normal use

**RESPIRATORY PROTECTION EQUIPMENT:** None required under normal conditions.

**PROTECTIVE GLOVES:** Latex, or Nitrile Optional

**EYE AND FACE PROTECTION:** Where chemical goggle where splash is likely to occur

**OTHER PROTECTIVE EQUIPMENT:** None known.

**VENTILATION:** None known.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:**.....Not Determined

**Vapor Pressure:**.....N/A

**VAPOR DENSITY (AIR=1):**.....N/A

**Flash Point** .....Not Determined

**MELTING POINT/FREEZE POINT:**.....N/D

**PHYSICAL STATE:**.....Liquid

**ODOR:** .....Iodine

**COLOR:**.....Red/Brown

**ODOR THRESHOLD (PPM):**.....N/A

**% VOLATILE BY VOLUME:**.....N/A

**EVAPORATION RATE:**.....N/A

**SPECIFIC GRAVITY (WATER=1):**.....Not Determined

**ACID/ALKALINITY (MEQ/G):**.....Not Determined

**PH:**.....N/D

**SOLUBILITY IN WATER (20°C):**.....Soluble

**SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):**..NOT DETERMINED

## 10. STABILITY AND REACTIVITY

**STABILITY:** Generally considered stable.

**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR

**HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:** Carbon dioxide. Carbon monoxide.

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong acids, bases, and oxidizing agents.

**CONDITIONS TO AVOID:** Protect from temperature extremes (<0°C, >50°C)

## 11. TOXICOLOGICAL INFORMATION

**ACUTE ORAL LD50 (MG/KG):** Iodine: ORAL (LD50): Acute: 14000 mg/kg [Rat]. 22000 mg/kg [Mouse]  
**ACUTE DERMAL LD50 (MG/KG):** NOT DETERMINED  
**ACUTE INHALATION LC50 (MG/L):** NOT DETERMINED  
**OTHER:** None.  
**AMES TEST:** Not Applicable

## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** None Available.  
**CHEMICAL FATE INFORMATION:** None Available.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## 14. TRANSPORT INFORMATION

**DOT Shipping Name:** Not Regulated  
**DOT HAZARD CLASS:** N/A  
**DOT LABEL(S):** N/A  
**UN/NA NUMBER:** N/A

## 15. REGULATORY INFORMATION

**TSCA STATUS:** All components of this product are listed on the TSCA Inventory.  
**SARA SECTION 302:** None Found  
**SARA (311, 312) HAZARD CLASS:** Acute, Chronic  
**SARA (313) CHEMICALS:** None  
**HMIS:** HEALTH 2 , FLAMMABILITY 0 , REACTIVITY 0  
**NFPA:** Not Determined

## 16. OTHER INFORMATION

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