

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Ball Solution**
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

HAZARDOUS COMPONENTS

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

Component / CAS	Percent	ACGIH Short Term Exposure Limit (STEL) value:	OSHA Short Term Exposure Limit (STEL) value:
Ethanol Alcohol 64-17-5	50% - 65%	1000 ppm TLV	1000 ppm (PEL) NA (STEL)
Iodine Crystals 7553-56-2	6% - 10%	0.1 ppm	0.1 ppm (PEL)
Potassium Iodide 7681-11-0	3% - 7%	NA	NA
Boric Acid 10043-35-3	3% - 7%	NA	NA
Sodium Borate 1330-43-4	0 - 1%	NA	NA
Thyme Oil 8007-46-3	0 - 1%	NA	NA
Peppermint Oil 8006-90-4	0 - 1%	NA	NA
Eucalyptus Oil 8000-48-4	0 - 1%	NA	NA
Methyl Salicylate	0 - 1%	NA	NA

119-36-8			
Menthol Crystals	0 – 1%	NA	NA
2216-51-5			
Bonzoic Acid	0 – 2%	NA	NA
65-85-0			
Thymol	0 – 1%	NA	NA
89-83-8			
Povidone Iodine	1 – 4%	NA	5 (mg/m3) Inhalation Respirable. TWA
25655-41-8			10 (mg/m3) Inhalation Total. Nuisance Dust

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: May cause irritation to eyes, skin, and respiratory tract. Avoid contact with eyes. Flammable.

Effects from Exposure:

INGESTION: Not expected to be a route of entry. Mucosal irritations. May cause an allergic reaction. May cause sensitization. May cause severe gastric disturbances. Consumption of large amounts of iodides may harm the growing fetus. Inhalation of dust may irritate respiratory tract.

SKIN CONTACT: May cause skin or eye burns. May cause skin inflammation. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

INHALATION: May cause irritation to respiratory tract. May aggravate preexisting respiratory conditions. Can cause severe burns of the mouth, throat and stomach. Causes abdominal pain, diarrhea, fever, vomiting, stupor and shock.

EYE CONTACT: May cause moderate eye irritation. Vapor and/or liquid causes irritation.

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

CHRONIC EFFECTS/CARCINOGENICITY: No information at this time.

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.

SKIN: Wash with soap and water. Consult physician.

INHALATION: This material is not likely to be hazardous by inhalation. If breathing is difficult, 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 Determined

SENSITIVITY TO MECHANICAL IMPACT (Y/N): NO

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

EXTINGUISHING MEDIA: CO₂, Sand, Foam, 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: Apply absorbent granules, and dispose in accordance with Federal, State and Local Regulations.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Avoid contact with eyes. Protect container from physical abuse. Position containers so that any labeling is visible. This product is flammable. Use in a well ventilated area. Store unused product in a flammable storage area, as defined in OSHA and NFPA guidelines.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: None known.

RESPIRATORY PROTECTION EQUIPMENT: None required under normal conditions.

PROTECTIVE GLOVES: Latex, or Nitrile Optional

EYE AND FACE PROTECTION: Chemical Resistant Goggles

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 Point39 C

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

PHYSICAL STATE:.....Liquid

ODOR:Alcohol Odor

COLOR:.....Brown Liquid

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

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

EVAPORATION RATE:.....N/A

SPECIFIC GRAVITY (WATER=1):.....Less than 1.0

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

PH:.....N/D

SOLUBILITY IN WATER (20°C):.....INSOLUBLE

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):

Mixture has not been evaluated.

ACUTE DERMAL LD50 (MG/KG):

Mixture has not been evaluated.

ACUTE INHALATION LC50 (MG/L):

Mixture has not been evaluated.

OTHER:

None.

AMES TEST:

Not Applicable

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: None Available.

CHEMICAL FATE INFORMATION: None Available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with applicable local, county, state and federal regulations.

14. TRANSPORT INFORMATION

DOT Shipping Name: Ethyl Alcohol Solution PG III / ORM-D

DOT HAZARD CLASS: 3

DOT LABEL(S): Flammable

UN/NA NUMBER: UN1170

IATA: Available upon request

IMO IMDG-code: Available upon request

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 Hazard, Flammable

SARA (313) CHEMICALS: None

HMIS: HEALTH 2 , FLAMMABILITY 3 , REACTIVITY 0

NFPA: Not Determined

16. OTHER INFORMATION

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