



Saif Zone-Sharjah, UAE.

## MATERIAL SAFETY DATA SHEET

<b>PRODUCT: AMEDINE TINCTURE</b>	<b>Version No.: AMTIN/2022-23/008</b>
<b>SHELF LIFE: 36 MONTHS.</b>	<b>PACK SIZE:100ML,200ML,500ML&amp; 5 LTS.</b>

### 1. Product and Company Identification:

Trade name: AMEDINE TINCTURE.

(Iodine Tincture)

Product Use: Disinfectant and antiseptic.

For External Use Only.

Manufacturer identification: Ameya FZC, Saif Zone-Sharjah, UAE.

### 2. Composition:

S. No	Ingredient Name	Percentage
01	Iodine	2-3 % W/V
02	Potassium Iodide	2-5 % W/V
03	Ethanol	30-50 %
04	Water	QS to 100%

### 3. Hazards Identification:

Critical Hazards: Highly Flammable liquid

Hazard Statements: Irritating to eyes and skin.

### 4. First Aid Measures:

ROUTE	COMMON SYMPTOMS	FIRST AID
Inhalation	Dizziness, trouble berating.	Remove source of contamination or move victim to fresh air. If affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention
Ingestion	Vomiting, cramps, diarrhea.	Rinse mouth, do not induce vomiting. If material is swallowed, get medical attention or advice
Skin	May cause dermal irritation	If irritation occurs, wash with soap and water. If irritation persists, get medical attention.
Eyes	May cause eye Irritation	Immediately flush eyes with water for at least 15 minutes while holding eyelids open. If symptoms persist, get medical attention.



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### 5. Fire Fighting Measures:

Flammable Properties: Flammable.

#### EXTINGUISHING MEDIA

Use: Water spray, fog or mist. Alcohol resistant foam. Carbon Dioxide (CO<sub>2</sub>). Dry powder, dry chemicals, sand, dolomite etc.

#### PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS:

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

### 6. Accidental Release Measures:

Personal Precautions: Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

Environmental Precautions: Should not be released into the environment.

#### Methods for Containment and Clean Up:

Remove all sources of ignition. Contain spill. Do not flush to sewer. Absorb and containerize in a suitable container for proper disposal. Ventilate area of spill. Use non-sparking tools and equipment. Always obey local regulations.

### 7. Handling and Storage:

#### Handling:

Wash hands thoroughly after handling. Avoid contact with skin, eyes and clothing. Keep away from all sources of ignition. Empty containers may be hazardous since they retain product residue. Discard them as per local regulations.

Storage: Keep containers tightly closed in a cool, dry environment. Protect from direct sunlight and physical damage. Closed the containers immediately after use.

### 8. Exposure Controls/Personal Protection:

Engineering Controls: Handle material under adequate ventilation. Keep container tightly closed when not in use.

Personal Protective Equipment: Wear safety glasses with side shields. Wear full-face protection when judged that the possibility exists for eye and face contact.



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### 9. Physical and Chemical Properties:

Odor: Strong Iodine alcoholic Odor.

Form: liquid.

Color: Dark reddish brown.

Solubility: miscible with water.

pH: 3.0 -5.0

Specific Gravity (water=1): 0.90 - 0.99

### 10. Stability and Reactivity:

Conditions to Avoid: Avoid heat, flames and other sources of ignition. Avoid exposing heat and contact with strong oxidizing substances. Avoid contact with acids

Materials to Avoid: Strong acids; Strong oxidizing agents; Avoid alkali metals (e.g., sodium);

Decomposition: It will not decompose under conditions of usual handling.

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours

Stability and Reactivity: Chemical Stability- No stability hazard expected at normal operating temperatures, Hazardous polymerization will not occur.

### 11. Toxicological Information:

#### HEALTH WARNINGS:

Gas or vapour is harmful on prolonged exposure or in high concentrations. Irritant of eyes and mucous membranes. Toxic through skin absorption (percutaneous). Narcotic effect. Known or suspected teratogen. CNS depressant. Repeated exposure may cause chronic eye irritation. High concentrations may cause severe lung damage. Defatting, drying and cracking of skin. Swallowing concentrated chemical may cause severe internal injury. Unconsciousness, death.

ROUTE OF ENTRY: Inhalation. Ingestion. Skin and/or eye contact.

TARGET ORGANS: Central nervous system. Eyes. Gastro-intestinal tract. Liver. Respiratory system, lungs. Skin.

MEDICAL SYMPTOMS: Irritation of eyes and mucous membranes. Dilated pupils. Rhinitis (inflammation of the nasal mucous membranes). Upper respiratory irritation. General respiratory distress, unproductive cough. May cause suffocation. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Headache. Behavioural changes. Hypotension (low blood pressure).

Dizziness. Confusion, agitation and/or excitation.

MEDICAL CONSIDERATIONS: Convulsive disorders, CNS problems.



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### 12. Ecological Information:

Ecotoxicological Information: The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Degradability: The product is easily biodegradable. Oxidizes rapidly by photochemical reactions in air.

### 13. Disposal Considerations:

Do not discharge into drains or the environment, deposit to an authorized waste collection point. Disposal should be in accordance with local, state or national legislation.

### 14. Transport Information:

UN NO. (ADR/RID/ADN): 1170

Class (ADR/RID/ADN): 3 - Flammable Liquids

Packing group (ADR/RID/ADN): II - Medium Danger

UN Proper Shipping Name: Ethanol solutions

DG Class & Subsidiary Risk: 3; none allocated

Packing Group: II

Hazard NO.(ADRA): 33 HIGHLY FLAMMABLE LIQUID (FLASH-POINT BELOW 23°C)

Emergency Action Code: 2YE

### 15. Regulatory Information

Hazard symbols: Highly flammable.

Risk phrases: R11: Highly flammable.

R20/21/22: Harmful by inhalation, in contact with skin and if swallowed. Safety phrases: S9: Keep container in a well-ventilated place.

S16: Keep away from sources of ignition - No smoking.

S36/37: Wear suitable protective clothing and gloves.

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Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

### 16. Other Information.

**Revision Date: 01/22**

Additional Information:

R11: Highly flammable.

R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.

R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

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