

**Misty(R) II Disinfectant & Deodorant**

Version 1.0

Revision Date 06/01/2015

Print Date 06/01/2015

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Material name : Misty(R) II Disinfectant &amp; Deodorant

EPA ID Number: 10807-177

Material number : 000000000001001769

**Manufacturer or supplier's details**

Company : Amrep, Inc.

Address : 990 Industrial Park Drive  
Marietta, GA 30062

Telephone : 404-352-1680

**Emergency telephone numbers****For SDS Information** : Compliance Services 1-877-428-9937**For a Medical Emergency** : 877-541-2016 Toll Free - All Calls Recorded**For a Transportation  
Emergency** : CHEMTREC: 800-424-9300 - All Calls Recorded.  
In the District of Columbia 202-483-7616**SECTION 2. HAZARDS IDENTIFICATION****Emergency Overview**

|            |                                    |
|------------|------------------------------------|
| Appearance | Aerosol containing a liquefied gas |
| Colour     | white, light yellow                |
| Odour      | characteristic                     |

**GHS Classification**Flammable aerosols : Category 2  
Gases under pressure : Liquefied gas  
Eye irritation : Category 2A**GHS Label element**

Hazard pictograms :



Signal word : Warning

Hazard statements : H223 Flammable aerosol.  
H280 Contains gas under pressure; may explode if heated.  
H319 Causes serious eye irritation.Precautionary statements : **Prevention:**  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Pressurized container: Do not pierce or burn, even after

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use.

P264 Wash skin thoroughly after handling.

P280 Wear eye protection/ face protection.

**Response:**

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

**Storage:**

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

**Disposal:**

P501 Dispose of contents/container in accordance with local regulation.

**Potential Health Effects****Carcinogenicity:****IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**OSHA**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**NTP**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

**Hazardous components**

| Chemical Name | CAS-No.  | Concentration [%] |
|---------------|----------|-------------------|
| ethanol       | 64-17-5  | >= 50 - < 70      |
| butane        | 106-97-8 | >= 10 - < 20      |
| propane       | 74-98-6  | >= 1 - < 5        |
| propan-2-ol   | 67-63-0  | >= 1 - < 5        |

**SECTION 4. FIRST AID MEASURES**

General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.

If inhaled : If unconscious place in recovery position and seek medical advice.  
If symptoms persist, call a physician.

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- |                         |                                                                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| In case of skin contact | : If skin irritation persists, call a physician.<br>Wash off immediately with plenty of water for at least 15 minutes.<br>If on clothes, remove clothes.<br>Wash contaminated clothing before re-use.                                   |
| In case of eye contact  | : Remove contact lenses.<br>Protect unharmed eye.<br>Keep eye wide open while rinsing.<br>If eye irritation persists, consult a specialist.<br>In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. |
| If swallowed            | : Keep respiratory tract clear.<br>Never give anything by mouth to an unconscious person.<br>If symptoms persist, call a physician.<br>DO NOT induce vomiting unless directed to do so by a physician or poison control center.         |

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**SECTION 5. FIREFIGHTING MEASURES**

- |                                               |                                                                                                                                                                                                                                                            |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media                  | : Alcohol-resistant foam<br>Carbon dioxide (CO <sub>2</sub> )<br>Dry chemical<br>Water spray jet                                                                                                                                                           |
| Unsuitable extinguishing media                | : High volume water jet                                                                                                                                                                                                                                    |
| Specific hazards during firefighting          | : Do not allow run-off from fire fighting to enter drains or water courses.                                                                                                                                                                                |
| Hazardous combustion products                 | : Carbon dioxide (CO <sub>2</sub> )<br>Carbon monoxide<br>Smoke                                                                                                                                                                                            |
| Specific extinguishing methods                | :<br><br>Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.                                                                                                                                           |
| Further information                           | : For safety reasons in case of fire, cans should be stored separately in closed containments.<br>Use a water spray to cool fully closed containers.<br>Collect contaminated fire extinguishing water separately. This must not be discharged into drains. |
| Special protective equipment for firefighters | : Wear self-contained breathing apparatus for firefighting if necessary.                                                                                                                                                                                   |

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- |                                                |                                                                      |
|------------------------------------------------|----------------------------------------------------------------------|
| Personal precautions, protective equipment and | : Use personal protective equipment.<br>Ensure adequate ventilation. |
|------------------------------------------------|----------------------------------------------------------------------|

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- emergency procedures      Remove all sources of ignition.  
Evacuate personnel to safe areas.  
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
- Environmental precautions      : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up      : Sweep up or vacuum up spillage and collect in suitable container for disposal.  
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

**SECTION 7. HANDLING AND STORAGE**

- Advice on safe handling      : Do not breathe vapours/dust.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Take precautionary measures against static discharges.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Open drum carefully as content may be under pressure.  
Dispose of rinse water in accordance with local and national regulations.  
Always replace cap after use.  
Do not breathe vapours or spray mist.
- Conditions for safe storage      : BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.  
No smoking.  
Observe label precautions.  
Keep in a dry, cool and well-ventilated place.  
Electrical installations / working materials must comply with the technological safety standards.
- Materials to avoid      : Oxidizing agents

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

| Components | CAS-No. | Value type<br>(Form of exposure) | Control parameters /<br>Permissible concentration | Basis     |
|------------|---------|----------------------------------|---------------------------------------------------|-----------|
| ethanol    | 64-17-5 | TWA                              | 1,000 ppm                                         | ACGIH     |
|            |         | TWA                              | 1,000 ppm<br>1,900 mg/m <sup>3</sup>              | NIOSH REL |

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|             |          |      |                                      |           |
|-------------|----------|------|--------------------------------------|-----------|
|             |          | TWA  | 1,000 ppm<br>1,900 mg/m <sup>3</sup> | OSHA Z-1  |
|             |          | TWA  | 1,000 ppm<br>1,900 mg/m <sup>3</sup> | OSHA P0   |
| butane      | 106-97-8 | TWA  | 800 ppm<br>1,900 mg/m <sup>3</sup>   | NIOSH REL |
|             |          | TWA  | 800 ppm<br>1,900 mg/m <sup>3</sup>   | OSHA P0   |
| propane     | 74-98-6  | TWA  | 1,000 ppm                            | ACGIH     |
|             |          | TWA  | 1,000 ppm<br>1,800 mg/m <sup>3</sup> | NIOSH REL |
|             |          | TWA  | 1,000 ppm<br>1,800 mg/m <sup>3</sup> | OSHA Z-1  |
|             |          | TWA  | 1,000 ppm<br>1,800 mg/m <sup>3</sup> | OSHA P0   |
| propan-2-ol | 67-63-0  | TWA  | 200 ppm                              | ACGIH     |
|             |          | STEL | 400 ppm                              | ACGIH     |
|             |          | TWA  | 400 ppm<br>980 mg/m <sup>3</sup>     | NIOSH REL |
|             |          | ST   | 500 ppm<br>1,225 mg/m <sup>3</sup>   | NIOSH REL |
|             |          | TWA  | 400 ppm<br>980 mg/m <sup>3</sup>     | OSHA Z-1  |
|             |          | TWA  | 400 ppm<br>980 mg/m <sup>3</sup>     | OSHA P0   |
|             |          | STEL | 500 ppm<br>1,225 mg/m <sup>3</sup>   | OSHA P0   |

## Biological occupational exposure limits

| Component   | CAS-No. | Control parameters | Biological specimen | Sampling time                   | Permissible concentration | Basis     |
|-------------|---------|--------------------|---------------------|---------------------------------|---------------------------|-----------|
| PROPAN-2-OL | 67-63-0 | Acetone            | Urine               | End of shift at end of workweek | 40 mg/l                   | ACGIH BEI |

## Personal protective equipment

- Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.
- Hand protection : The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Eye protection : Ensure that eyewash stations and safety showers are close to the workstation location.  
Tightly fitting safety goggles
- Skin and body protection : impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Hygiene measures : When using do not eat or drink.

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When using do not smoke.  
Wash hands before breaks and at the end of workday.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

|                                        |                                      |
|----------------------------------------|--------------------------------------|
| Appearance                             | : Aerosol containing a liquefied gas |
| Colour                                 | : white, light yellow                |
| Odour                                  | : characteristic                     |
| Odour Threshold                        | : no data available                  |
| pH                                     | : 10.3 - 10.8                        |
| Melting point/freezing point           | : no data available                  |
| Boiling point                          | : no data available                  |
| Flash point                            | :<br>no data available               |
| Evaporation rate                       | : no data available                  |
| Flammability (solid, gas)              | : Flammable aerosol.                 |
| Upper explosion limit                  | : no data available                  |
| Lower explosion limit                  | : no data available                  |
| Vapour pressure                        | : no data available                  |
| Relative vapour density                | : no data available                  |
| Density                                | : 0.840 g/cm <sup>3</sup>            |
| Solubility(ies)                        |                                      |
| Water solubility                       | : completely soluble                 |
| Solubility in other solvents           | : not determined                     |
| Partition coefficient: n-octanol/water | : no data available                  |
| Auto-ignition temperature              | : not determined                     |
| Thermal decomposition                  | : no data available                  |
| Viscosity                              |                                      |
| Viscosity, kinematic                   | : no data available                  |
| Heat of combustion                     | : 29.16 kJ/g                         |

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**SECTION 10. STABILITY AND REACTIVITY**

|                    |                                   |
|--------------------|-----------------------------------|
| Reactivity         | : Stable                          |
| Chemical stability | : Stable under normal conditions. |

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|                                    |                                                                                                            |
|------------------------------------|------------------------------------------------------------------------------------------------------------|
| Possibility of hazardous reactions | : No decomposition if stored and applied as directed.<br>Vapours may form explosive mixture with air.      |
| Conditions to avoid                | : Heat, flames and sparks.<br>Extremes of temperature and direct sunlight.<br><br>Heat, flames and sparks. |
| Incompatible materials             | : Oxidizing agents<br>Reducing agents<br>Ammonium salts                                                    |
| Hazardous decomposition products   | : Carbon oxides                                                                                            |

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**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity****Product:**

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg  
Method: Calculation method

**Components:****ethanol:**

Acute oral toxicity : LD50 Oral rat: 7,060 mg/kg

Acute inhalation toxicity : LC50 rat: 124.7 mg/l  
Exposure time: 4 h

**butane:**

Acute inhalation toxicity : LC50 mouse: 1,237 mg/l  
Exposure time: 2 h

LC50 rat: 1,355 mg/l

**propane:**

Acute inhalation toxicity : LC50 mouse: 1,237 mg/l  
Exposure time: 2 h

LC50 rat: 658 mg/l  
Exposure time: 4 h

LC50 rat: 1,355 mg/l

**propan-2-ol:**

Acute oral toxicity : LD50 Oral rat: 4,396 mg/kg  
Method: Calculation method

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**Skin corrosion/irritation**

**Product:**

Remarks: May cause skin irritation in susceptible persons.

**Serious eye damage/eye irritation**

**Product:**

Remarks: Severe eye irritation

**Respiratory or skin sensitisation**

no data available

**Germ cell mutagenicity**

no data available

**Carcinogenicity**

no data available

**Reproductive toxicity**

no data available

**ethanol:**  
**butane:**  
**propane:**  
**propan-2-ol:**

**STOT - single exposure**

no data available

**STOT - repeated exposure**

no data available

**Aspiration toxicity**

no data available

**Further information**

**Product:**

Remarks: no data available

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**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

no data available

**Persistence and degradability**

no data available

**Bioaccumulative potential**

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**Product:**

Partition coefficient: n-  
octanol/water : Remarks: no data available

**Components:****butane :**

Partition coefficient: n-  
octanol/water : Pow: 2.89

**Mobility in soil**

no data available

**Other adverse effects**

no data available

**Product:**

Regulation 40 CFR Protection of Environment; Part 82 Protection of  
Stratospheric Ozone - CAA Section 602 Class I  
Substances

Remarks This product neither contains, nor was manufactured  
with a Class I or Class II ODS as defined by the U.S.  
Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A  
+ B).

Additional ecological  
information : no data available

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with  
chemical or used container.  
Dispose of in accordance with local regulations.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

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**SECTION 14. TRANSPORT INFORMATION**

|                                                                       |
|-----------------------------------------------------------------------|
| Transportation Regulation: 49 CFR (USA):<br>ORM-D, CONSUMER COMMODITY |
|-----------------------------------------------------------------------|

|                                                                                        |
|----------------------------------------------------------------------------------------|
| Transportation Regulation: IMDG (Vessel):<br>UN1950, AEROSOLS, 2.1, - Limited quantity |
|----------------------------------------------------------------------------------------|

|                                                                                                      |
|------------------------------------------------------------------------------------------------------|
| Transportation Regulation: IATA (Cargo Air):<br>UN1950, Aerosols, flammable, 2.1, - Limited quantity |
|------------------------------------------------------------------------------------------------------|

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Transportation Regulation: IATA (Passenger Air):  
UN1950, Aerosols, flammable, 2.1, - Limited quantity

Transportation Regulation: TDG (Canada):  
UN1950, AEROSOLS, 2.1, - Limited quantity

**SECTION 15. REGULATORY INFORMATION**

This product is regulated under the United States Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

**Pesticide Labeling Information Required Under U.S. FIFRA Regulations**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**CAUTION**

Causes moderate eye irritation.

**EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

| Components     | CAS-No.   | Component RQ<br>(lbs) | Calculated product RQ<br>(lbs) |
|----------------|-----------|-----------------------|--------------------------------|
| sodium nitrite | 7632-00-0 | 100                   | *                              |

\*: Calculated RQ exceeds reasonably attainable upper limit.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

| Components         | CAS-No.   | Component RQ<br>(lbs) | Calculated product RQ<br>(lbs) |
|--------------------|-----------|-----------------------|--------------------------------|
| ammonia, anhydrous | 7664-41-7 | 100                   | *                              |

\*: Calculated RQ exceeds reasonably attainable upper limit.

**SARA 311/312 Hazards** : Sudden Release of Pressure Hazard  
Acute Health Hazard  
Fire Hazard

**SARA 302** : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**California Prop 65** WARNING! This product contains a chemical known to the State of California to cause cancer.

biphenyl-2-ol

90-43-7

**The components of this product are reported in the following inventories:**

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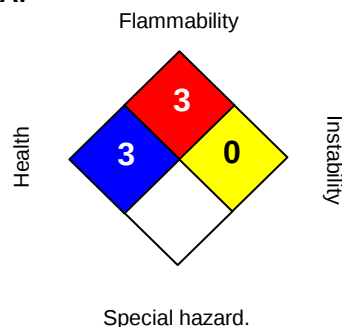
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|              |                                                                                            |
|--------------|--------------------------------------------------------------------------------------------|
| <b>TSCA</b>  | On TSCA Inventory                                                                          |
| <b>DSL</b>   | This product contains one or several components that are not on the Canadian DSL nor NDSL. |
| <b>AICS</b>  | Not in compliance with the inventory                                                       |
| <b>NZIoC</b> | Not in compliance with the inventory                                                       |
| <b>PICCS</b> | Not in compliance with the inventory                                                       |
| <b>IECSC</b> | Not in compliance with the inventory                                                       |

**Inventory Acronym and Validity Area Legend:**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

**SECTION 16. OTHER INFORMATION****Further information****NFPA:****HMIS III:**

|                        |          |
|------------------------|----------|
| <b>HEALTH</b>          | <b>3</b> |
| <b>FLAMMABILITY</b>    | <b>3</b> |
| <b>PHYSICAL HAZARD</b> | <b>2</b> |

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

**OSHA GHS Label Information:**

Hazard pictograms



Signal word

: **Warning:**

Hazard statements

: Flammable aerosol. Contains gas under pressure; may explode if heated. Causes serious eye irritation.

Precautionary statements

**Prevention:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Wash skin thoroughly after handling. Wear eye protection/ face protection.

**Response:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.

**Storage:** Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

**Disposal:** Dispose of contents/container in accordance with local regulation.

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