

Misty(R) Multi-Purpose Disinfectant Cleaner II

Version 1.0

Revision Date 06/03/2015

Print Date 09/08/2015

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material name : Misty(R) Multi-Purpose Disinfectant Cleaner II

EPA ID Number: 33176-6-10807

Material number : 00000000001001923

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 |
| Odour | characteristic |

GHS Classification

Gases under pressure : Liquefied gas

Carcinogenicity : Category 2

GHS Label element

Hazard pictograms :



Signal word : Warning

Hazard statements : H280 Contains gas under pressure; may explode if heated.
H351 Suspected of causing cancer.Precautionary statements : **Prevention:**
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P281 Use personal protective equipment as required.
Response:
P308 + P313 IF exposed or concerned: Get medical advice/

Misty(R) Multi-Purpose Disinfectant Cleaner II

Version 1.0

Revision Date 06/03/2015

Print Date 09/08/2015

attention.

Storage:

P405 Store locked up.

P410 + P403 Protect from sunlight. Store in a well-ventilated place.

Disposal:

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

Potential Health Effects**Carcinogenicity:**

| | | |
|--------------|--|------------|
| IARC | Group 2B: Possibly carcinogenic to humans Amides, coco, N,N-bis(hydroxyethyl) | 68603-42-9 |
| 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 [%] |
|-------------------------------------|------------|-------------------|
| 2-(2-butoxyethoxy)ethanol | 112-34-5 | >= 5 - < 10 |
| butane | 106-97-8 | >= 1 - < 5 |
| Amides, coco, N,N-bis(hydroxyethyl) | 68603-42-9 | >= 0.1 - < 1 |

SECTION 4. FIRST AID MEASURES

| | |
|-------------------------|--|
| General advice | : Do not leave the victim unattended. Show this safety data sheet to the doctor in attendance. Move out of dangerous area. |
| If inhaled | : If unconscious place in recovery position and seek medical advice. Consult a physician after significant exposure. |
| In case of skin contact | : Wash off immediately with plenty of water for at least 15 minutes. If on clothes, remove clothes. If skin irritation persists, call a physician. |
| In case of eye contact | : Remove contact lenses. Protect unharmed eye. |

Misty(R) Multi-Purpose Disinfectant Cleaner II

Version 1.0

Revision Date 06/03/2015

Print Date 09/08/2015

Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
Rinse immediately with plenty of water for at least 15 minutes.

If swallowed : Keep respiratory tract clear.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
DO NOT induce vomiting unless directed to do so by a physician or poison control center.
Take victim immediately to hospital.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical
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 (CO₂)
Carbon monoxide
Smoke

Specific extinguishing methods : 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.
Use a water spray to cool fully closed containers.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
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.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation.
Remove all sources of ignition.
Evacuate personnel to safe areas.
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
Use personal protective equipment.

Environmental precautions : Prevent further leakage or spillage if safe to do so.
Prevent product from entering drains.
If the product contaminates rivers and lakes or drains inform respective authorities.

Misty(R) Multi-Purpose Disinfectant Cleaner II

Version 1.0

Revision Date 06/03/2015

Print Date 09/08/2015

Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up or vacuum up spillage and collect in suitable container for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Do not breathe vapours or spray mist. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national regulations. Always replace cap after use.

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 : Strong oxidizing agents

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

| Components | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
|------------|----------|-------------------------------|--|-----------|
| butane | 106-97-8 | TWA | 800 ppm 1,900 mg/m ³ | NIOSH REL |
| | | TWA | 800 ppm 1,900 mg/m ³ | OSHA P0 |

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

Misty(R) Multi-Purpose Disinfectant Cleaner II

Version 1.0

Revision Date 06/03/2015

Print Date 09/08/2015

| | |
|--------------------------|---|
| Remarks | : The suitability for a specific workplace should be discussed with the producers of the protective gloves. |
| Eye protection | : Safety glasses Ensure that eyewash stations and safety showers are close to the workstation location. |
| 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 | : Wash hands before breaks and at the end of workday. When using do not eat or drink. When using do not smoke. |

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|--------------------------------------|
| Appearance | : Aerosol containing a liquefied gas |
| Colour | : white |
| Odour | : characteristic |
| Odour Threshold | : no data available |
| pH | : no data available |
| Melting point/freezing point | : no data available |
| Boiling point | : no data available |
| Flash point | : not applicable |
| Evaporation rate | : no data available |
| Flammability (solid, gas) | : The product is not flammable. |
| Upper explosion limit | : no data available |
| Lower explosion limit | : no data available |
| Vapour pressure | : no data available |
| Relative vapour density | : no data available |
| Density | : no data available |
| 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 | |

Misty(R) Multi-Purpose Disinfectant Cleaner II

Version 1.0

Revision Date 06/03/2015

Print Date 09/08/2015

Viscosity, kinematic : no data available
Heat of combustion : 4.01 kJ/g

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Stable

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : Vapours may form explosive mixture with air.
No decomposition if stored and applied as directed.

Conditions to avoid : Heat, flames and sparks.
Extremes of temperature and direct sunlight.

Incompatible materials : Strong oxidizing agents

Hazardous decomposition products : Carbon monoxide
Carbon dioxide (CO₂)
Nitrogen oxides (NO_x)

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

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

Components:**butane:**

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

LC50 rat: 1,355 mg/l

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

Misty(R) Multi-Purpose Disinfectant Cleaner II

Version 1.0

Revision Date 06/03/2015

Print Date 09/08/2015

no data available

Carcinogenicity

no data available

Reproductive toxicity

no data available

2-(2-butoxyethoxy)ethanol:**butane:****Amides, coco, N,N-bis(hydroxyethyl):****STOT - single exposure**

no data available

STOT - repeated exposure

no data available

Aspiration toxicity

no data available

Further information**Product:**

Remarks: no data available

Components:**Amides, coco, N,N-bis(hydroxyethyl):**

Remarks: no data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity**

no data available

Persistence and degradability

no data available

Bioaccumulative potential**Product:**Partition coefficient: n- : Remarks: no data available
octanol/water**Components:****2-(2-butoxyethoxy)ethanol :**Partition coefficient: n- : Pow: 1
octanol/water**butane :**Partition coefficient: n- : Pow: 2.89
octanol/water**Amides, coco, N,N-bis(hydroxyethyl) :**

Partition coefficient: n- : Remarks: no data available

Misty(R) Multi-Purpose Disinfectant Cleaner II

Version 1.0

Revision Date 06/03/2015

Print Date 09/08/2015

octanol/water

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

Components:

Amides, coco, N,N-bis(hydroxyethyl) :

Additional ecological information : no data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

| | |
|------------------------|--|
| Waste from residues | : Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of in accordance with local regulations. The product should not be allowed to enter drains, water courses or the soil. |
| 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. |

SECTION 14. TRANSPORT INFORMATION

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

| |
|---|
| Transportation Regulation: IMDG (Vessel): UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity |
|---|

| |
|--|
| Transportation Regulation: IATA (Cargo Air): UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity |
|--|

Misty(R) Multi-Purpose Disinfectant Cleaner II

Version 1.0

Revision Date 06/03/2015

Print Date 09/08/2015

Transportation Regulation: IATA (Passenger Air):
UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity

Transportation Regulation: TDG (Canada):
UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - 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

Harmful if swallowed.

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

| Components | CAS-No. | Component RQ (lbs) | Calculated product RQ (lbs) |
|---------------------|----------|--------------------|-----------------------------|
| 2,2'-iminodiethanol | 111-42-2 | 100 | * |

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Sudden Release of Pressure Hazard
Chronic Health 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.

| | |
|-------------------------------------|------------|
| Amides, coco, N,N-bis(hydroxyethyl) | 68603-42-9 |
| biphenyl-2-ol | 90-43-7 |
| 2,2'-iminodiethanol | 111-42-2 |

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

TSCA On TSCA Inventory
DSL This product contains one or several components that are not on the Canadian DSL nor NDSL.

Misty(R) Multi-Purpose Disinfectant Cleaner II

Version 1.0

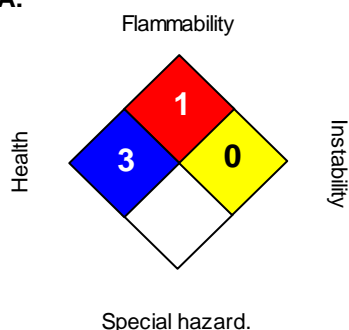
Revision Date 06/03/2015

Print Date 09/08/2015

| | |
|--------------|--------------------------------------|
| AICS | Not in compliance with the inventory |
| NZIoC | Not in compliance with the inventory |
| PICCS | Not in compliance with the inventory |
| IECSC | 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:**

| | |
|------------------------|-----------|
| HEALTH | 3* |
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 2 |

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

OSHA GHS Label Information:

Hazard pictograms



Signal word

Hazard statements

Precautionary statements

- Warning:**
- Contains gas under pressure; may explode if heated. Suspected of causing cancer.
- Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.
- Response:** IF exposed or concerned: Get medical advice/ attention.
- Storage:** Store locked up. Protect from sunlight. Store in a well-ventilated place.
- Disposal:** Dispose of contents/container in accordance with local regulation.

| | |
|----------------|------------|
| Version: | 1.0 |
| Revision Date: | 06/03/2015 |
| Print Date: | 09/08/2015 |

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. Users should make their own investigations to determine the suitability and applicability of the information for their particular purposes.

Misty(R) Multi-Purpose Disinfectant Cleaner II

Version 1.0

Revision Date 06/03/2015

Print Date 09/08/2015

This SDS has been prepared by the Compliance Services organization supporting this manufacturer, supplier or distributor.

Zep Inc. markets products under well recognized and established brand names such as Zep®, Zep Commercial®, Zep Professional®, Enforcer®, National Chemical™, Selig™, Misty®, Next Dimension™, Petro®, i-Chem®, TimeMist®, TimeWick™, MicrobeMax®, Country Vet®, Konk®, Original Bike Spirits®, Blue Coral®, Black Magic®, Rain-X®, Niagara National™, FC Forward Chemicals®, Rexodan®, Mykal™, and a number of private labeled brands.