

Material Safety Data Sheet

Betco Sure Bet II

1. Product and company identification

| Product name | : Betco Sure Bet II |
|----------------------|--|
| Supplier | : Betco Corporation LTD 400 Van Camp Road Bowling Green, OH 43402 www.betco.com 888-462-3826 |
| Synonym | : Not available. |
| Trade name | : Not available. |
| Material uses | : Special: Foaming Disinfectant. Cleaner. |
| Manufacturer | : Betco Corporation LTD Van Camp Road Bowling Green, Ohio 43402 www.betco.com 888-462-3826 |
| Code | : 314 |
| MSDS # | : 314 |
| Validation date | : 2/13/2017 |
| Print date | : 2/13/2017 |
| In case of emergency | : Chemtrec (800) 424-9300 |
| Product type | : Liquid. |

2. Hazards identification

Emergency overview Physical state : Liquid. Color : Clear. Green. : Citrus Floral. Odor Signal word : DANGER : CORROSIVE. CAUSES EYE AND SKIN BURNS. HARMFUL OR FATAL IF **Hazard statements** SWALLOWED. HARMFUL IF INHALED. CONTAINS MATERIAL THAT MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA. CANCER HAZARD -CONTAINS MATERIAL WHICH CAN CAUSE CANCER. (Previous statements per WHMIS). DANGER. Corrosive. Causes eye damage and skin damage. Harmful if swallowed. (Previous statements per Health Canada TPD). **Precautionary measures** Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Do not breathe vapor or mist. Do not ingest. Do not eat, drink or smoke when using this product. Avoid contact with eyes, skin and clothing. Use personal protective equipment as required. Wash thoroughly after handling. **Routes of entry** : Dermal contact. Eye contact. Inhalation. Ingestion. Potential acute health effects Inhalation : Harmful by inhalation. Ingestion : Toxic if swallowed. (Per WHMIS). Harmful if swallowed. (Per Health Canada TPD). Skin : Causes burns. (Per WHMIS). Causes skin damage (Per Health Canada TPD). Eyes : Causes burns. Risk of serious damage to eyes. (Previous statements per WHMIS). Causes eye damage (Previous statements per Health Canada TPD). Potential chronic health effects **Chronic effects** : Contains material that may cause target organ damage, based on animal data.

| 2. Hazards iden | tification |
|-----------------|---|
| Carcinogenicity | Contains material which can cause cancer. Risk of cancer depends on duration and level of exposure. |

| Mutagenicity | : No known significant effects or critical hazards. |
|------------------------------|---|
| Teratogenicity | : No known significant effects or critical hazards. |
| Developmental effects | : No known significant effects or critical hazards. |
| Fertility effects | : No known significant effects or critical hazards. |
| Target organs | : Contains material which may cause damage to the following organs: upper respiratory tract, skin, eye, lens or cornea. |

| Over-exposure signs/sy | mptoms |
|---|--|
| Inhalation | : Not determined. |
| Ingestion | : Not determined. |
| Skin | : Adverse symptoms may include the following: irritation redness |
| Eyes | : Adverse symptoms may include the following: pain or irritation watering redness |
| Medical conditions aggravated by over- exposure | : Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product. |

See toxicological information (Section 11)

3. Composition/information on ingredients

| Name | CAS number | % |
|---|------------|---------|
| Phosphoric acid, solution | 7664-38-2 | 10 - 20 |
| citric acid | 77-92-9 | 5 - 10 |
| Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 68424-85-1 | 1 - 5 |
| ethanol | 64-17-5 | 0.1 - 1 |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

| Eye contact | : Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately. In case of contact with eyes, rinse immediately with plenty of water. |
|--------------|--|
| Skin contact | In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately. |
| Inhalation | Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately. |
| Ingestion | : Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately. |

Betco Sure Bet II

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| 4. First aid measu | res | |
| Protection of first-aiders | : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. | |
| Notes to physician | No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. | |
| 5. Fire-fighting me | asures | |
| Flammability of the product | : In a fire or if heated, a pressure increase will occur and the container may burst. | |
| Extinguishing media | | |
| Suitable | : Use an extinguishing agent suitable for the surrounding fire. | |
| Not suitable | : None known. | |
| Special exposure hazards | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. | |
| Hazardous thermal decomposition products | Decomposition products may include the following materials: carbon dioxide carbon monoxide phosphorus oxides metal oxide/oxides | |
| Special protective equipment for fire-fighters | : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. | |
| Special remarks on fire hazards | : Not available. | |
| Special remarks on explosion hazards | : Not available. | |

6. Accidental release measures

| Personal precautions | : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8). |
|---------------------------|--|
| Environmental precautions | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| Methods for cleaning up | |
| Small spill | : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| Large spill | : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). The spilled material may be neutralized with sodium carbonate, sodium bicarbonate or sodium hydroxide. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal. |

7. Handling and storage

Handling

: Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Avoid exposure - obtain special instructions before use. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from alkalis. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage

 Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Separate from alkalis. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure controls/personal protection

| Occupational exposure limits | | TWA (8 hours) | | | STEL (15 mins) | | | Ceiling | | | |
|------------------------------|-----------------|---------------|-------|-------|----------------|-------|-------|---------|-------|-------|-----------|
| Ingredient | List name | ppm | mg/m³ | Other | ppm | mg/m³ | Other | ppm | mg/m³ | Other | Notations |
| Phosphoric acid, solution | US ACGIH 3/2015 | - | 1 | - | - | 3 | - | - | - | - | |
| • • | AB 4/2009 | - | 1 | - | - | 3 | - | - | - | - | [3] |
| | BC 5/2015 | - | 1 | - | - | 3 | - | - | - | - | |
| | ON 7/2015 | - | 1 | - | - | 3 | - | - | - | - | |
| | QC 1/2014 | - | 1 | - | - | 3 | - | - | - | - | |
| | SK 7/2013 | - | 1 | - | - | 3 | - | - | - | - | |
| ethanol | US ACGIH 3/2016 | - | - | - | 1000 | - | - | - | - | - | |
| | AB 4/2009 | 1000 | 1880 | - | - | - | - | - | - | - | |
| | BC 5/2015 | - | - | - | 1000 | - | - | - | - | - | |
| | ON 7/2015 | - | - | - | 1000 | - | - | - | - | - | |
| | QC 1/2014 | 1000 | 1880 | - | - | - | - | - | - | - | |
| | SK 7/2013 | - | - | 1000 | - | - | 1250 | - | - | - | |
| | | | | PPM | | | PPM | | | | |

[3]Skin sensitization

Consult local authorities for acceptable exposure limits.

| Recommended monitoring procedures | : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required. |
|-----------------------------------|---|
| Engineering measures | : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. |
| Hygiene measures | : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. |
| Personal protection | |
| Respiratory | : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. |

8. Exposure controls/personal protection

| • | • • |
|---|--|
| Hands | : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. > 8 hours (breakthrough time): butyl rubber |
| Eyes | : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles. Recommended: splash goggles |
| Skin | : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. |
| Environmental exposure controls | : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. |
| Other protection | : Not available. |
| Personal protective equipment (Pictograms) | |

9. Physical and chemical properties

| - J | |
|----------------------------|--|
| Physical state | : Liquid. |
| Flash point | : Closed cup: Not applicable. [Product does not sustain combustion.] |
| Burning time | : Not applicable. |
| Burning rate | : Not applicable. |
| Auto-ignition temperature | : Not available. |
| Flammable limits | : Not available. |
| Color | : Clear. Green. |
| Odor | : Citrus Floral. |
| Taste | : Not available. |
| Molecular weight | : Not applicable. |
| Molecular formula | : Not applicable. |
| рН | : 0.5 to 1.5 |
| Boiling/condensation point | : Not available. |
| Melting/freezing point | : Not available. |
| Critical temperature | : Not available. |
| Relative density | : 1.0729 |
| Vapor pressure | : Not available. |
| Vapor density | : Not available. |
| Volatility | : Not available. |
| Odor threshold | : Not available. |
| Evaporation rate | : Not available. |
| SADT | : Not available. |
| | |

Ionicity (in water)

9. Physical and chemical properties

Viscosity

Solubility

: Not available.

- : Not available.
- : Easily dispersible in the following materials: cold water and hot water.
 - : Easily soluble in the following materials: cold water.
- Physical/chemical properties comments

Dispersibility properties

: Not available.

10. Stability and reactivity

| Chemical stability | : The product is stable. |
|------------------------------------|--|
| Conditions to avoid | : No specific data. |
| Incompatible materials | Attacks many metals producing extremely flammable hydrogen gas which can form explosive mixtures with air. Reactive or incompatible with the following materials: alkalis |
| Hazardous decomposition products | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur. |

11. Toxicological information

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|---|-------------------------------------|-------------------|----------------------------------|--------------|
| Phosphoric acid, solution citric acid Quaternary ammonium compounds, benzyl- | LD50 Oral LD50 Oral LD50 Oral | Rat Rat Rat | 1.25 g/kg 3 g/kg 426 mg/kg | - - - |
| C12-16-alkyldimethyl, chlorides ethanol | LC50 Inhalation Vapor LD50 Oral | Rat Rat | 124700 mg/m³ 7 g/kg | 4 hours - |

Conclusion/Summary : Not available.

Chronic toxicity

Not available.

Conclusion/Summary : Not available.

Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|---|--------------------------|---------|-------|--|-------------|
| citric acid | Eyes - Severe irritant | Rabbit | - | 24 hours 750 Micrograms | - |
| | Skin - Mild irritant | Rabbit | - | 24 hours 500 milligrams | - |
| | Skin - Moderate irritant | Rabbit | - | 0.5 Mililiters | - |
| Quaternary ammonium compounds, benzyl- C12-16-alkyldimethyl, chlorides | Skin - Severe irritant | Rabbit | - | 25 milligrams | - |
| ethanol | Eyes - Mild irritant | Rabbit | - | 24 hours 500 milligrams | - |
| | Eyes - Moderate irritant | Rabbit | - | 0.066666667 minutes 100 milligrams | - |
| | Eyes - Moderate irritant | Rabbit | - | 100 | - |

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| 1. Toxicological | informatio | <u>n</u> | | | | |
| | Eyes - Severe i | rritant | Rabbit | - | microliters 500 | - |
| | Skin - Mild irrita | ant | Rabbit | - | milligrams 400 milligrams | - |
| | Skin - Moderate | e irritant | Rabbit | - | 24 hours 20 milligrams | - |
| Conclusion/Summary Sensitizer Not available. | : Not available. | | | | | |
| Conclusion/Summary Carcinogenicity Not available. | : Not available. | | | | | |
| Conclusion/Summary <u>Classification</u> | : Not available. | | | | | |
| Product/ingredient name | ACGIH | IARC | EPA | NIOSH | NTP | OSHA |
| ethanol | A3 | 1 | - | - | - | - |
| <mark>Mutagenicity</mark> Not available. | | | | | | |
| Conclusion/Summary Teratogenicity Not available. | : Not available. | | | | | |
| Conclusion/Summary Reproductive toxicity Not available. | : Not available. | | | | | |
| Conclusion/Summary | : Not available. | | | | | |

Ecotoxicity

: No known significant effects or critical hazards.

Aquatic ecotoxicity

| Product/ingredient name | Result | Species | Exposure |
|---|---|--|--|
| Phosphoric acid, solution | Acute EC50 105 ppm Fresh water | Daphnia - Daphnia magna | 48 hours |
| | Acute LC50 60 ppm Fresh water | Fish - Lepomis macrochirus | 96 hours |
| citric acid | Acute LC50 160000 µg/l Marine water | Crustaceans - Carcinus maenas - Adult | 48 hours |
| Quaternary ammonium compounds, benzyl- C12-16-alkyldimethyl, chlorides | Acute EC50 670 μg/l Fresh water | Algae - Chlorella pyrenoidosa - Exponential growth phase | 96 hours |
| ethanol | Acute EC50 5.9 ppb Fresh water Acute LC50 64 ppb Fresh water Chronic NOEC 4.15 ppb Marine water Chronic NOEC 32.2 ppb Acute EC50 17.921 mg/l Marine water Acute EC50 2000 µg/l Fresh water Acute LC50 25500 µg/l Marine water | Daphnia - Daphnia magna Fish - Oncorhynchus mykiss Daphnia - Daphnia magna Fish - Pimephales promelas Algae - Ulva pertusa Daphnia - Daphnia magna Crustaceans - Artemia franciscana - Larvae | 48 hours 96 hours 21 days 34 days 96 hours 48 hours 48 hours |

12. Ecological information

| | 12. LUUUyitai muumation | | | | | | |
|--|---|---|---|--|--|--|--|
| | Acute LC50 42000 µg/l Fresh water Chronic NOEC 4.995 mg/l Marine water Chronic NOEC 100 ul/L Fresh water Chronic NOEC 0.375 ul/L Fresh water | Fish - Oncorhynchus mykiss Algae - Ulva pertusa Daphnia - Daphnia magna - Neonate Fish - Gambusia holbrooki - Larvae | 4 days 96 hours 21 days 12 weeks | | | | |
| Conclusion/Summary | Not available. | | | | | | |
| Persistence/degradability | | | | | | | |
| Not available. | | | | | | | |
| Conclusion/Summary | : Not available. | | | | | | |
| Partition coefficient: n- octanol/water | : Not available. | | | | | | |
| Bioconcentration factor | : Not available. | | | | | | |
| Mobility | : Not available. | | | | | | |
| Toxicity of the products of biodegradation | : Not available. | | | | | | |
| Other adverse effects | : No known significant effects or critical h | iazards. | | | | | |
| | | | | | | | |

13. Disposal considerations

Waste disposal : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Waste stream : Not available. **RCRA** classification : Not available.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14. Transport information

| | | | information |
|----------|-----|--|-------------|
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| 14. Transpor | t inform | ation | | | | |
| DOT Classification | 1903 | Disinfectant, Liquid, Corrosive, N.O.S. (Didecyldimethylammonium chloride, Phosphoric Acid) | 8 | | Content | Reportable quantity33333.3 lbs / 15133.3kg [3726.2 gal / 14105.1 L]Package sizesshipped in quantitiesless than the productreportable quantity arenot subject to the RQ(reportable quantity)transportationrequirements.Limited quantityYes. |
| TDG Classification | 1903 | Disinfectant, Liquid, Corrosive, N.O.S. (Didecyldimethylammonium chloride, Phosphoric Acid) | 8 | | | Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.40-2. 42 (Class 8), 2.7 (Marine pollutant mark). The marine pollutant mark is not required when transported by road or rail. Explosive Limit and Limited Quantity Index 5 |
| Mexico Classification | 1903 | Disinfectant, Liquid, Corrosive, N.O.S. (Didecyldimethylammonium chloride, Phosphoric Acid) | 8 | | A A A A A A A A A A A A A A A A A A A | - |
| ADR/RID Class | 1903 | Disinfectant, Liquid, Corrosive, N.O.S. (Didecyldimethylammonium chloride, Phosphoric Acid) | 8 | | | The environmentally hazardous substance mark is not required when transported in sizes of ≤ 5 L or ≤ 5 kg. |
| IMDG Class | 1903 | Disinfectant, Liquid, Corrosive, N.O.S. (Didecyldimethylammonium chloride, Phosphoric Acid) | 8 | | | The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg. |
| IATA-DGR Class | 1903 | Disinfectant, Liquid, Corrosive, N.O.S. (Didecyldimethylammonium chloride, Phosphoric Acid) | 8 | | t de la constantina de la cons | The environmentally hazardous substance mark may appear if required by other transportation regulations. |

14. Transport information

PG* : Packing group

15. Regulatory information

| United States inventory (TSCA 8b) | : Not determined. |
|--------------------------------------|---|
| WHMIS (Canada) | : Not controlled under WHMIS (Canada). |
| <u>Canadian lists</u> | |
| Canadian NPRI | : The following components are listed: Phosphorus (total) |
| CEPA Toxic substances | : None of the components are listed. |
| Canada inventory | : Not determined. |

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

International regulations

| International lists | Australia inventory (AICS): Not determined. China inventory (IECSC): Not determined. Japan inventory (ENCS): Not determined. Japan inventory (ISHL): Not determined. Korea inventory: Not determined. Malaysia Inventory (EHS Register): Not determined. New Zealand Inventory of Chemicals (NZIoC): Not determined. Philippines inventory (PICCS): Not determined. Taiwan Chemical Substances Inventory (TCSI): Not determined. Turkey inventory: Not determined. | |
|---|---|--|
| Chemical Weapons Convention List Schedule I Chemicals | : Not listed | |
| Chemical Weapons Convention List Schedule Il Chemicals | : Not listed | |
| Chemical Weapons Convention List Schedule III Chemicals | : Not listed | |

16. Other information

| Label requirements | : CORROSIVE. CAUSES EYE AND SKIN BURNS. HARMFUL OR FATAL IF SWALLOWED. HARMFUL IF INHALED. CONTAINS MATERIAL THAT MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA. CANCER HAZARD - CONTAINS MATERIAL WHICH CAN CAUSE CANCER. (Previous statements per WHMIS). DANGER. Corrosive. Causes eye damage and skin damage. Harmful if swallowed. (Previous statements per Health Canada TPD). |
|---|---|
| Hazardous Material Information System (U.S.A.) | : |
| | Health * 3 |
| | Flammability 1 |
| | Physical hazards 0 |
| | |

16. Other information

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on MSDSs under 29 CFR 1910. 1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

| References | : Not available. |
|------------------------------|------------------|
| Other special considerations | : Not available. |
| Date of printing | : 2/13/2017 |
| Date of issue | : 2/13/2017 |
| Date of previous issue | : 7/19/2016 |
| Version | : 1 |
| Prepared by | : Not available. |

✓ Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.