**SAFETY DATA SHEET**

**Issue Date: 8-27-15**  **Revision Date: 9-1-2021** **Version** 1

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Identifier**

**Product Name: Multipurpose Cleaner (Hydrogen Peroxide)**

 **Item# 474 09 110 01 – Case of 4 1-Gallon Jugs**

 **Item# 474 09 110 55 – 55-Gallon Drum**

**Other Means of Identification**

**SDS # not determined**

**UN/ID # not determined**

**Product Code**  H2O2

**Recommended Use of the Chemical and Restrictions on Use Recommended Use:** Cleaning Compound

**Details of the Supplier of the Safety Data Sheet**

**Supplier Address Illinois Correctional Industries**

  **1301 Concordia Court**

 **P.O. Box 19277**

 **Springfield, IL 62794-9277**

**Emergency Telephone Number**

**Company Phone Number 1-800-634-0213 (Illinois Correctional Industries – Springfield)**

**Emergency Telephone 1-800-222-1222 (Poison Control Center)**

**2. HAZARDS IDENTIFICATION**

**Classification**

|  |  |
| --- | --- |
| Serious Eye Damage/Eye Irritation | Category 2B |

 **Signal Word**

Warning

 **Hazard Statements**

 EYES: Causes serious eye irritation/damage.



 **Physical State:** Liquid.

**Precautionary Statements – Prevention**

Wash face, hands, and any exposed skin thoroughly after handling. Wear eye/face protection.

**Precautionary Statements - Response**

 IF IN EYE: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Get medical attention if eye irritation occurs.

 **Precautionary Statements – Storage**

Keep containers tightly closed in a dry, cool and well ventilated place.

 **Precautionary Statements - Disposal**

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

**Hazards Not Otherwise Classified (HNOC)**

**Other Hazards**

Harmful to aquatic life with long lasting effects.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

|  |  |  |
| --- | --- | --- |
| **Chemical Name** | **CAS No** | **Weight-%** |
| Hydrogen Peroxide | 7722-84-1 | <20 |
| Water | 7732-18-5 | 70-80 |
| Surfactant | Proprietary | <10 |
| Citric Acid Monohydrate | 5949-29-1 | <5 |

 \*Hydrogen peroxide used is a 35% solution

**4. FIRST AID MEASURES**

**First Aid Measures**

**Inhalation** Remove to fresh air. If symptoms persist, call a physician.

**Eye Contact** Rinse cautiously with water for several minutes. Remove contact lenses, if present and

 easy to do. Continue rinsing. Get medical attention if irritation occurs.

**Ingestion** Drink plenty of water. Call a POISON CENTER or doctor/physician if you feel unwell.

**Skin Contact** Wash with plenty of water. If skin irritation persists, call a physician.

**Most Important Symptoms and Effects, both Acute and Delayed**

**Symptoms** Exposed individuals may experience eye tearing, redness, and discomfort.

**Indication of any Immediate Medical Attention and Special Treatment Needed**

**Note to Physicians** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

 **Unsuitable Extinguishing Media**

Not determined.

**Specific Hazards Arising from the Chemical**

 Non-flammable

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus with a full face piece operated in pressure-demand or other positive pressure mode when fighting fires.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment and Emergency Procedures**

**Personal Precautions** Use personal protective equipment as required.

**Environmental Precautions** See Section 12 for additional ecological information.

**Methods and Material for Containment and Cleaning Up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so. Dike ahead of large spills to prevent

run-off. Do not touch or walk through spilled material. Stop discharge, if it can be performed

 safely, and contain materials.

**Methods for Cleaning Up** Use an absorbentmaterial. Place contaminated material in a suitable container for disposal.

 Do not flush down toilet, sewer, stream or other bodies of water.

**7. HANDLING AND STORAGE**

**Precautions for Safe Handling**

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Use only in well- ventilated areas. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands, and any exposed skin thoroughly after handling. Use personal protection recommended in Section 8.

**Conditions for Safe Storage, Including any Incompatibilities**

**Storage Conditions** Keep containers tightly closed in a well ventilated area. Store in a cool dry place.

**Incompatible Materials** Strong reducing agents.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

|  |  |  |  |
| --- | --- | --- | --- |
| **Chemical Name** | **ACGIH TLV** | **OSHA PEL** | **NIOSH IDLH** |
| Hydrogen peroxide7722-84-1 | TWA: 1 ppm | TWA: 1 ppm TWA: 1.4mg.m3 (vacated) TWA:1 ppm (Vacated) TWA:1.4 mg/m3 | IDLH: 75 ppmTWA: 1 ppmTWA: 1.4 mg/m3 |

**Appropriate Engineering Controls**

**Engineering Controls** Provide adequate ventilation. eyewash stations.

**Individual Protection Measures, such as Personal Protective Equipment**

**Eye/Face Protection** Wear approved safety goggles where a splash hazard exists.

**Skin and Body Protection** Wear suitable protective clothing.

**Respiratory Protection** Ensure adequate ventilation, especially in confined areas.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on Basic Physical and Chemical Properties**

|  |  |  |  |
| --- | --- | --- | --- |
| **Physical State Appearance Color** | LiquidClear LiquidClear  | **Odor****Odor Threshold** | LemonNot determined |
| **Property** | **Values**  | **Remarks • Method**  |  |
| **pH****Melting Point/Freezing Point****Boiling Point/Boiling Range****Flash Point****Evaporation Rate Flammability (Solid, Gas)****Upper Flammability Limits** | 3.0 – 3.5Not determinedNot determinedNoneNot determined n/a-liquidNot determined | (butyl acetate = 1) |  |
| **Lower Flammability Limit** | Not determined |  |  |
| **Vapor Pressure Vapor Density Specific Gravity Water Solubility****Solubility in Other Solvents****Partition Coefficient****Autoignition Temperature Decomposition Temperature Kinematic Viscosity****Dynamic Viscosity****Explosive Properties****Oxidizing Properties** | Not determined less than air Not determinedCompleteNot determined Not determined Not determined Not determined Not determined Not determined Not a explosive Not determined | (air = 1)(H2O = 1) |  |

**10. STABILITY AND REACTIVITY**

**Reactivity**

Not reactive under normal conditions.

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to Avoid**

Keep out of reach of children.

**Incompatible Materials**

Avoid strong reducing agents.

**Hazardous Decomposition Products**

None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION**

**Information on Likely Routes of Exposure**

**Product Information**

**Inhalation** Avoid breathing vapors or mists.

**Eye Contact** Causes serious eye irritation.

**Skin Contact** Avoid skin contact.

**Ingestion** Do not taste or swallow.

**Component Information**

|  |  |  |  |
| --- | --- | --- | --- |
| **Chemical Name** | **Oral LD50** | **Dermal LD50** | **Inhalation LC50** |
| Hydrogen peroxide7722-84-1 | = 801 mg/kg ( RAT ) | = 4060 mg/kg (RAT) = 2000 mg/kg (Rabbit) | = 2 mg/L ( RAT ) 4 h |

**Information on Physical, Chemical and Toxicological Effects**

**Symptoms** Please see section 4 of this SDS for symptoms.

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure**

**Carcinogenicity** Carcinogenic potential is unknown.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Chemical Name** |  **ACGIH** | **IARC** | **NTP** | **OSHA** |
| Hydrogen peroxide7722-84-1 |  A3 | Group 3 | - |  - |

 **ACGIH (American conference of Governmental Industrial Hygienists)**

 *A3 – Animal Carcinogen*

 **IARC (International Agency for Research on Cancer)**

 *Group 3 IARC components are “not classifiable as human carcinogens”*

**Numerical Measures of Toxicity**

Not determined

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Toxic to aquatic organisms. Toxic to aquatic life with long lasting effects.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Chemical Name** | **Algae/aquatic plants** | **Fish** | **Toxicity to****microorganisms** | **Crustacea** |
| Hydrogen peroxide7722-84-1 | 2.5: 72 h Chlorella vulgarismg/L EC50 | 16.4: 96 Pimephales promelas mg/L LC50 18 – 56: 96 h Lepomis macrochirus mg/L LC50 static 10.0 – 32.0: 96 h Oncorhynchus mykiss mg/L LC50 static |  | 7.7: 24 h Daphnia magnamg/L EC50 18 – 32: 48 hDaphnia magna mg/L EC50static |

**Persistence and Degradability**

Not determined

**Bioaccumulation**

Not determined

**Mobility**

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

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

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

|  |  |
| --- | --- |
|  **Chemical Name** | **California Hazardous Waste Status** |
| Hydrogen peroxide7722-84-1 | ToxicCorrosiveIgnitableReactive |

**14. TRANSPORT INFORMATION**

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**  Not regulated

**IATA**  Not regulated

**IMDG**  Not regulated

**International Inventories**

Not Determined

**15. REGULATORY INFORMATION**

**Legend:**

***TSCA*** *- United States Toxic Substances Control Act Section 8(b) Inventory*

***DSL/NDSL*** *- Canadian Domestic Substances List/Non-Domestic Substances List*

***EINECS/ELINCS*** *- European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

***ENCS*** *- Japan Existing and New Chemical Substances* ***IECSC*** *- China Inventory of Existing Chemical Substances* ***KECL*** *- Korean Existing and Evaluated Chemical Substances*

***PICCS*** *- Philippines Inventory of Chemicals and Chemical Substances*

**US Federal Regulations**

**SARA 313**

 This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels

 established by SARA Title III, Section 313.

**CERCLA**

|  |  |  |  |
| --- | --- | --- | --- |
| **Chemical Name** | **Hazardous substance RQs** | **CERCLA/SARA RQ** | **Reportable Quantity (RQ)** |
| Hydrogen peroxide7722-84-1 |  | 1000 lb. |  |

**US State Regulations**

**U.S. State Right-to-Know Regulations**

|  |  |  |  |
| --- | --- | --- | --- |
| **Chemical Name** | **New Jersey** | **Massachusetts** | **Pennsylvania** |
| Hydrogen peroxide7722-84-1 | X | X | X |

**16. OTHER INFORMATION**

**Issue Date 27-Aug-2015**

**Revision Date 01-Sept-2021**

**Revision Note (**New format)

**Disclaimer**

**The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.**

**The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.**

**The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.**

**End of Safety Data Sheet**