**SAFETY DATA SHEET**

**Issue Date 7-29-15** **Revision Date 9-1-2021** **Version** 1

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Identifier**

**Product Name: Floor Sealer**

 **Item# 474 09 025 01 – Case of 4 1-Gallon Jugs**

 **Item# 474 09 025 05 – 5-Gallon Pail**

 **Item# 474 09 025 55 – 55-Gallon Drum**

**Other Means of Identification**

**SDS # JC-010-003**

**Recommended Use of the Chemical and Restrictions on Use Recommended Use: Industrial use floor product for the purpose of protection/preservation of floor surface. To be applied before application of floor finish or floor restorer.**

**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**

Unapplicable

 **Signal Word**

 **Warning**

 **Hazard Statements**

 May be harmful if swallowed

 Causes mild skin irritation



 **Physical State:** Liquid.

**Precautionary Statements – Prevention**

Avoid temperature extremes. Keep from freezing, Keep away from open flames.

**Precautionary Statements - Response**

 Specific Treatment (See Section 4 on the SDS)

 If Skin Irritation Occurs: Get medical advice/attention call a POISON CENTER or doctor/physician if you feel unwell.

**Precautionary Statements - Storage**

 Store in original container, tightly closed in a dry, cool and well ventilated place.

**Precautionary Statements - Disposal**

 Dispose of in accordance with local ordinances, state laws or federal regulations.

**Hazards Not Otherwise Classified (HNOC)**

 Unknown Acute Toxicity

**Other Hazards**

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

|  |  |  |
| --- | --- | --- |
| **Chemical Name** | **CAS No** | **Weight-%** |
|  \* Styrene Acrylic Copolymer | Proprietary | 10-30 |
| \*2-(2-ethoxyethoxy)ethanol | 111-90-0 | 3-7 |
| \*Tributoxyethyl Phosphate | 78-51-3 | 1-5 |
| \*Zinc Ammonium Chloride | 38714-47-5 | 1-5 |

\* Chemicals in this Section that have an (\*) asterisk, the exact percentage ( concentration ) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES**

**First Aid Measures**

**Inhalation** Remove to fresh air. If not breathing, give artificial respiration.

**Eye Contact** Flush immediately with plenty of water for at least 15 minutes.

**Ingestion** Clean mouth with water and drink afterward plenty of water.

**Skin Contact** Wash exposed skin immediately with soap and water.

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

**Symptoms** Any additional important symptoms and effects are described in Section 11: Toxicology Information.

**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**

Caution: Use of water spray when fighting fire may be inefficient.

**Specific Hazards Arising from the Chemical**

Not determined.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

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

**Personal Precautions** Ensure adequate ventilation, especially in confine areas.

**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. If small spill, mop up, rinse with water.

 If large spill, mop up, absorb with inert material, dike or set container as applicable.

 Eliminate ignitions sources. Avoid eye/skin contact. Avoid breathing vapors.

**Methods for Cleaning Up** Mop, pump or take up with sand or other inert absorbent and reclaim into containers for

reuse, recycle, or disposal.

**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. 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 in a dry, cool, and well-ventilated place. Store locked up. Protect from

freezing. Store in original container, tightly closed. Keep out of reach of children.

**Incompatible Materials** None based on information supplied.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

|  |  |  |  |
| --- | --- | --- | --- |
| **Chemical Name** | **ACGIH TLV** | **OSHA PEL** | **NIOSH IDLH** |
| Ammonia7664-41-7 |  STEL:35 ppm TWA: 25 ppm |  TWA: 50 ppm TWA: 35 mg/m3 (vacated) STEL: 35 ppm (vacated) STEL: 27 mg/m3 |  IDLH: 300 ppm TWA: 25 ppm TWA: 18 mg/m3 STEL: 35 ppm STEL: 27 mg/m3 |

NIOSH IDLH Immediately Dangerous to Life or Health

**Other Information** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d

 962 (11th Cir. , 1992).

**Appropriate Engineering Controls**

**Engineering Controls** Shower, Eyewash station & Ventilation systems.

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

**Eye/Face Protection** Wear safety glasses with side shields ( or goggles).

**Skin and Body Protection** Wear impervious protective clothing, including boots, gloves, lab coat, apron or

 Coveralls, as appropriate, to prevent skin contact.

**Respiratory Protection** IF exposed limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn. Positive-pressure supplied air respirators may

 be required for high airborne concentration. Respiratory protection must be provide

 in accordance with current local regulations.

**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** | LiquidOpaqueWhite | **Odor****Odor Threshold** | AmmoniaNot determined |
| **Property** | **Values**  | **Remarks • Method**  |  |
| **pH****Melting Point/Freezing Point****Boiling Point/Boiling Range****Flash Point****Evaporation Rate Flammability (Solid, Gas)****Upper Flammability Limits** | 8.5 - -9.5Not determined>= 212°F>200 °F < 1 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 1.05CompleteNot determined Not determined Not determined Not determined Not determined Not determined Not determined 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**

Extremes of temperatures and direct daylight.

**Incompatible Materials**

None known based on information supplied.

**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 mist.

**Eye Contact** Avoid contact with eyes.

**Skin Contact** Causes mild skin Irritation. Avoid contact with skin.

**Ingestion** May be harmful if swallowed. Do Not taste or swallow.

**Component Information**

|  |  |  |  |
| --- | --- | --- | --- |
| **Chemical Name** | **Oral LD50** | **Dermal LD50** | **Inhalation LC50** |
| 2-(2-ethoxyethoxy)ethanol 111-90-0 | = 1920 mg/kg ( RAT ) | =4200 μl/kg (Rabbit)=6 ml/kg ( RAT ) | >5240 mg/m3 ( RAT ) 4 h |

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

**Symptoms** No information available.

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

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen

Ethanol has been shown to be carcinogenic in long-term studies only when consumed as

 Alcoholic beverage.

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

A3 – Animal Carcinogen

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

Group 1 – Carcinogenic to Humans

**NTP (National Toxicology Program)**

Known – Known Carcinogen

**OSHA (Occupational Safety and Administration of the US Department of Labor)**

X - Present

**Numerical Measures of Toxicity – Product Information**

**Unknown Acute Toxicity** 0.64479652% of the mixture consists of ingredient(s) of unknown toxicity

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

36.6311% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

|  |  |  |  |
| --- | --- | --- | --- |
| **Chemical Name** | **Algae/aquatic plants** | **Fish** | **Crustacea** |
| 2-(2-ethoxyethoxy)ethanol 111-90-0 | \_\_ - |  1000: 96 h Lepomis macrochirusmg/L LC50 static 19100 – 23900: 96 h Lepomis macrochirus mg/LLC50 flow – through 11400 – 1570096 h Oncorohynchus mykiss mg/LLC50 flow through 11600 – 16700:96 h Pimephales promelas mg/L LC50 flow through 13400: 96 h Salmo gairdneri mg/L LC50 flow thruogh  | 3940 -4670: 48 h Daphnia magna mg/L EC50 |
| Tributoxyethyl Phosphate 78-51-3 |  - \_  | 10.4 – 12.0: 96 h PimephalesPromelas mg/L LC50 flow -throuhg | \_\_ - |
| Nonylphenol Ethoxylate  9016-45-9 |  \_-  | 5: 96 h Fish mg/L LC50 |  - |
| Methyl Chloro Isothiazolinone 26172-55-4 |  0.11 – 0.16: 72 hPseudokirchneriella subcapitatamg/L EC50 static 0.03 – 0.13: 96 hPseudokirchneriella subcapitatamg/L EC50 static 0.31: 120 hAnabaena flos-aquae mg/L EC50 | 1.6: 96 h Oncorhynchus mykiss mg/L LC50 semi-static | 4.71: 48 h Daphnia magna mg/LEC50 0.12 – 0.3: 48 h DaphniaMagna mg/L EC50 Flow through0.71 – 0.99: 48 h Daphnia magna mg/L EC50 static |
|  Magnesium Chloride 7786-30-3 |  2200: 72 h Desmodesmus subspicatus mg/L EC50 | 1970 – 3880: 96 h Pimephalespromelas mg/L LC50 static 4210: 96h Gambusia affinis mg/L LC50 static | 140: 48 h Daphnia magna mg/LEC50 Static 1400: 24 h Daphnia magna mg/L EC50  |
|  Ammonia 7664-41-7 |  -  | 0.44: 96 hCyprinus carpio mg/L LC50 0.26 -4.6: 96 h Lepomis macrochirus mg.L LC50 1.17: 96 hLepomis macrochirus mg/L LC50flow-through 0.73 – 2.35: 96 hPimphales promelas mg/L LC505.9: 96 h Pimephales promelasmg/L LC50 static 1.5: 96 h Poeciliareticulate mg/L LC50 1.19: 96 h Poecilia retculata mg/L LC50 static |  25.4: 48 h Daphnia magna mg/L LC50  |

**Persistence and Degradability**

Not determined

**Bioaccumulation**

Not determined

**Mobility**

|  |  |
| --- | --- |
| **Chemical Name** | **Partition Coefficient** |
|  2-(2-ethoxyethoxy)ethanol 111-90-0 | -0.8 |
|  Tributoxyethyl Phosphate 78-51-3 |  4.78 |

**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** Do not reuse container.

 This product contains one or more substances that are listed with the State of California as a hazardous waste.

|  |  |
| --- | --- |
| **Chemical Name** | **Partition Coefficient** |
| Zinc Ammonium Chloride 38714-47-5  |  Toxic |

**14. TRANSPORT INFORMATION**

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

**DOT**

**UN/ID No**

**Proper Shipping Name**

**Hazard Class**

**Packing Group**

**IATA**

**UN/ID No**

**Proper Shipping Name**

**Hazard Class**

**Packing Group**

**IMDG**

**UN/ID No**

**Proper Shipping Name**

**Hazard Class**

**Packing Group**

**International Inventories**

**TSCA** Complies

 **DSL/NDSL** Complies**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**

Section 313 of Title lll of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

|  |  |
| --- | --- |
| **Chemical Name** |  **SARA 313 – Threshold Values %** |
|  2-(2-ethoxyethoxy)ethanol 111-90-0 | 1.0 |
|  Zinc Ammonium Chloride 38714-47-5  |  1.0 |

**US State Regulations**

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Chemical Name** | **New Jersey** | **Massachusetts** | **Pennsylvania** |
| 2-(2-ethoxyethooxy)ethanol 111-90-0 |  X |  - |  X |
| Zinc Ammonium Chloride **3871**4-**47-5** |  X |  - |  X |
| Ammonia**7664-41-7** |  X  |  X |  X |

**16. OTHER INFORMATION**

**NFPA Health Hazards**

 1

**HMIS Health Hazards**

 1

**Flammability**  0

**Flammability**  0

**Instability**

 0

 **Physical Hazards**  0

**Special Hazards**

Not determined

**Personal Protection**

**Issue Date**

**Revision Date 1-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 a 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**