

Home Armor Patio Furniture Cleaner Plus

Printed: 05/04/2015

Revision: 05/04/2015

Protector

Supersedes Revision: 06/17/2014

1. PRODUCT AND COMPANY IDENTIFICATION

| | | |
|---------------------------------------|---|---------------------------------------|
| Product Name: | Home Armor Patio Furniture Cleaner Plus Protector | |
| Company Name: | W. M. Barr 2105 Channel Avenue Memphis, TN 38113 | Phone Number: (901)775-0100 |
| Web site address: | www.wmbarr.com | |
| Emergency Contact Information: | 3E 24 Hour Emergency Contact W.M. Barr Customer Service | (800)451-8346 (800)398-3892 |
| Intended Use: | Mold and Mildew Stain Remover | |
| Synonyms: | FG530, FG530FS | |
| Additional Information | This product is regulated by the United States Consumer Product Safety Commission and is subject to certain labeling requirements under the Federal Hazardous Substances Act. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS). The product label also includes other important information, including directions for use, and should always be read in its entirety prior to using the product. | |

2. HAZARDS IDENTIFICATION

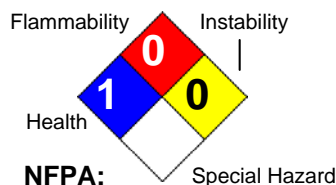
Serious Eye Damage/Eye Irritation, Category 1



| | |
|--|---|
| GHS Signal Word: | Danger |
| GHS Hazard Phrases: | H318: Causes serious eye damage. |
| GHS Precaution Phrases: | P280: Wear protective gloves/protective clothing/eye protection/face protection. |
| GHS Response Phrases: | P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER or doctor/physician. |
| GHS Storage and Disposal Phrases: | No phrases apply. |

Hazard Rating System:

| | | |
|---------------------|---|---|
| HEALTH | * | 1 |
| FLAMMABILITY | | 0 |
| PHYSICAL | | 0 |
| PPE | | X |



HMIS:

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

Potential Health Effects (Acute and Chronic):

ACUTE EFFECTS:

Eyes: Contact can cause moderate to severe eye irritation and burns, resulting in irritation, discomfort or pain, excess blinking and tear production, redness, and swelling of the conjunctiva.

Skin: Contact with skin may cause irritation. Repeated or prolonged contact can result in irritation, discomfort, and redness of the skin.

Inhalation: Inhalation of mist from this product may cause irritation of the respiratory tract, experienced as nasal discomfort and discharge, with chest pain and coughing.

Ingestion: Swallowing this material may be harmful. Effects may be nausea, vomiting, diarrhea, and abdominal discomfort. May cause blindness or be fatal if swallowed.

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CHRONIC EFFECTS:

Repeated skin contact may cause dermatitis.

2-Butoxyethanol: In animals, effects have been reported on blood (hemolysis) and secondary effects on the kidney and liver. Human red blood cells have been shown to be significantly less sensitive to hemolysis than those of rodents and rabbits. In long term animal studies, small but statistically significant increases in tumors were observed in mice but not rats. The effects are not believed to be relevant to humans.

TARGET ORGANS:

Liver, Kidneys

Medical Conditions Generally None known.

Aggravated By Exposure:

3. COMPOSITION/INFORMATION ON INGREDIENTS

| CAS # | Hazardous Components (Chemical Name) | Concentration | RTECS # |
|------------|--|---------------|-----------|
| 111-76-2 | Ethanol, 2-Butoxy- (Ethylene glycol n-butyl ether, (a glycol ether)) | <10.0 % | KJ8575000 |
| 68439-46-3 | Alcohol ethoxylate (Alcohols, C9-11, Ethoxylated) | < 3.0 % | AZ8100000 |
| 64-02-8 | Ethylenediamine tetraacetic acid, tetrasodium salt | < 3.0 % | AH5075000 |

Additional Chemical Information

Specific percentage of composition is being withheld as a trade secret.

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

Skin:

Immediately begin washing the skin thoroughly with large amounts of water and mild soap, if available, while removing contaminated clothing. Seek medical attention if irritation persists.

Eyes:

Immediately begin to flush eyes with water, remove any contact lens. Continue to flush the eyes for at least 15 minutes, then seek immediate medical attention.

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

Ingestion:

If swallowed, do NOT induce vomiting. Seek immediate medical attention. Call a physician, hospital emergency room, or poison control center immediately. Never give anything by mouth to an unconscious person. If spontaneous vomiting is about to occur, place victim's head below knees. If victim is drowsy or unconscious, place on the left side with head down.

Signs and Symptoms Of Exposure:

See Potential Health Effects.

Note to Physician:

Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

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5. FIRE FIGHTING MEASURES

| | | |
|--|---|---------------|
| Flash Pt: | No data. | |
| Explosive Limits: | LEL: No data. | UEL: No data. |
| Autoignition Pt: | No data. | |
| Suitable Extinguishing Media: | Water spray, dry chemical, carbon dioxide, or alcohol foam. | |
| Unsuitable Extinguishing Media: | None known. | |
| Fire Fighting Instructions: | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved or equivalent) and full protective gear. | |
| Flammable Properties and Hazards: | No data available. | |

6. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Steps To Be Taken In Case Material Is Released Or Spilled: | For small spills: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. |
| | For large spills: Wear appropriate PPE and keep all unnecessary personnel out of the area. Stop spill at the source, dike ahead of the spill if possible, and contain the spill. Recover as much as possible and use absorbent material to collect the remaining liquid. Prevent runoff from entering drains, sewers, or bodies of water. |

7. HANDLING AND STORAGE

| | |
|---|---|
| Precautions To Be Taken in Handling: | Avoid contact with eyes, skin, and clothing. Do not reuse this container. |
| Precautions To Be Taken in Storing: | Keep from freezing. Store in a tightly closed container. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| CAS # | Partial Chemical Name | OSHA TWA | ACGIH TWA | Other Limits |
|------------|--|-------------|-------------|--------------|
| 111-76-2 | Ethanol, 2-Butoxy- (Ethylene glycol n-butyl ether, (a glycol ether)) | PEL: 50 ppm | TLV: 20 ppm | No data. |
| 68439-46-3 | Alcohol ethoxylate (Alcohols, C9-11, Ethoxylated) | No data. | No data. | No data. |
| 64-02-8 | Ethylenediamine tetraacetic acid, tetrasodium salt | No data. | No data. | No data. |

| | |
|--|--|
| Respiratory Equipment (Specify Type): | When used as directed, respiratory equipment should not be needed. |
| | Wear NIOSH approved respiratory protective equipment when vapor or mists may exceed applicable concentration limits. |
| Eye Protection: | Safety glasses should be worn during normal handling of this material. |
| | Where contact with the eyes or face is likely due to spraying or splashing, a faceshield or chemical splash goggles should be worn to prevent contact. |
| Protective Gloves: | Where contact is likely, wear chemical-resistant gloves. |
| Other Protective Clothing: | Use or handling of the material may dictate the need for additional protective clothing, such as chemical-resistant aprons, suits, or boots. |

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| Engineering Controls (Ventilation etc.): | Use process enclosures, local exhaust ventilation, general exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. |
| Work/Hygienic/Maintenance Practices: | Wash hands thoroughly after use and before eating, drinking, smoking, or using the restroom. |
| | Do not eat, drink, or smoke in the work area. |
| | Discard any clothing or other protective equipment that cannot be decontaminated. |
| | Facilities storing or handling this material should be equipped with an emergency eyewash and safety shower. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|---|--|---------------|
| Physical States: | [] Gas [X] Liquid [] Solid | |
| Appearance and Odor: | Free and clear, colorless to light yellow. | |
| Melting Point: | No data. | |
| Boiling Point: | 212.00 F | |
| Autoignition Pt: | No data. | |
| Flash Pt: | No data. | |
| Explosive Limits: | LEL: No data. | UEL: No data. |
| Specific Gravity (Water = 1): | No data. | |
| Density: | 8.3 - 8.46 LB/GL | |
| Vapor Pressure (vs. Air or mm Hg): | No data. | |
| Vapor Density (vs. Air = 1): | > 1 | |
| Evaporation Rate: | > 1 | |
| Solubility in Water: | soluble | |
| pH: | 8 - 10 | |
| Percent Volatile: | < 10.0 % by weight. | |

10. STABILITY AND REACTIVITY

| | |
|---|---|
| Stability: | Unstable [] Stable [X] |
| Conditions To Avoid - Instability: | No data available. |
| Incompatibility - Materials To Avoid: | Strong acids, Strong oxidizers, Reactive metals, Materials reactive with hydroxyl compounds |
| Hazardous Decomposition Or Byproducts: | Carbon monoxide, carbon dioxide, aldehydes, ketones, organic acids |
| Possibility of Hazardous Reactions: | Will occur [] Will not occur [X] |
| Conditions To Avoid - Hazardous Reactions: | No data available. |

11. TOXICOLOGICAL INFORMATION

| | |
|---|--|
| Toxicological Information: | This product has not been tested as a whole. Refer to section 2 for acute and chronic health effects. |
| | CAS# 111-76-2: |
| Carcinogenicity/Other Information: | Acute toxicity, LC50, Inhalation, Rat, 450.0 PPM, 4 H. Result: |
| | Behavioral: Ataxia. |
| | Nutritional and Gross Metabolic: Weight loss or decreased weight gain. |
| | - Toxicology and Applied Pharmacology, Academic Press, Inc., 1 E. First St., Duluth, MN 55802, Vol/p/yr: 68,405, 1983 |
| | Acute toxicity, LD50, Skin, Species: Rabbit, 220.0 MG/KG. |
| | Result: |
| | Effects on Embryo or Fetus: Extra embryonic structures (e.g., placenta, umbilical cord). |
| | Effects on Embryo or Fetus: Other effects to embryo. |
| | Specific Developmental Abnormalities: Musculoskeletal system. |
| | - Dow Chemical Company Reports., Dow Chemical USA, Health and Environment Research, Toxicology Research Lab, Midland, MI 48640, Vol/p/yr: MSD-46, |
| | Acute toxicity, LD50, Oral, Rat, 250.0 mg/kg. |
| | Result: |
| | Lungs, Thorax, or Respiration: Changes in pulmonary vascular resistance. |
| | Standard Draize Test, Eyes, Species: Rabbit, 100.0 MG, Severe. |
| | Result: |
| | Effects on Newborn: Apgar score (human only). |
| | Effects on Newborn: Other neonatal measures or effects. |
| | Effects on Newborn: Drug dependency. |
| | - American Journal of Ophthalmology., Ophthalmic Pub. Co., 435 N. Michigan Ave., Suite 1415, Chicago, IL 60611, Vol/p/yr: 29,1363, 1946 |
| | CAS# 68439-46-3: |
| | Acute toxicity, LD50, Oral, Rat, 1378. MG/KG. |
| | Result: |
| | Behavioral: Somnolence (general depressed activity). |
| | Behavioral: Ataxia. |
| | Gastrointestinal: Hypermotility, diarrhea. |
| | - Journal of the American College of Toxicology., Mary Ann Liebert, Inc., New York, NY, Vol/p/yr: 10(4),427, 1991 |
| | CAS# 64-02-8: |
| | Standard Draize Test, Skin, Species: Rabbit, 500.0 MG, 24 H, Moderate. |
| | Result: |
| | Blood: Other changes. |
| | Biochemical: Metabolism (Intermediary): Other proteins. |
| | - "Sbornik Vysledku Toxikologickeho Vysetreni Latek A Pripravku," , Institut Pro Vychovu Vedoucicn P, Marhold, J.V., Institut Pro Vychovu Vedoucicn, Pracovniku Chemickeho, Prumyclu Praha Czechoslovakia, Vol/p/yr: -,306, 1972 |
| | IARC 3: Not Classifiable as to Carcinogenicity in Humans. |
| | ACGIH A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans |

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| CAS # | Hazardous Components (Chemical Name) | NTP | IARC | ACGIH | OSHA |
|------------|--|------|------|-------|------|
| 111-76-2 | Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, (a glycol ether)} | n.a. | 3 | A3 | n.a. |
| 68439-46-3 | Alcohol ethoxylate (Alcohols, C9-11, Ethoxylated) | n.a. | n.a. | n.a. | n.a. |
| 64-02-8 | Ethylenediamine tetraacetic acid, tetrasodium salt | n.a. | n.a. | n.a. | n.a. |

12. ECOLOGICAL INFORMATION

General Ecological Information: This product has not been tested as a whole.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose of in accordance with local, state, and federal laws.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not Regulated by D.O.T.

DOT Hazard Class:

UN/NA Number:

15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

| CAS # | Hazardous Components (Chemical Name) | S. 302 (EHS) | S. 304 RQ | S. 313 (TRI) |
|------------|--|--------------|-----------|---------------|
| 111-76-2 | Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, (a glycol ether)} | No | No | Yes-Cat. N230 |
| 68439-46-3 | Alcohol ethoxylate (Alcohols, C9-11, Ethoxylated) | No | No | No |
| 64-02-8 | Ethylenediamine tetraacetic acid, tetrasodium salt | No | No | No |

This material meets the EPA Yes No **Acute (immediate) Health Hazard**

'Hazard Categories' defined Yes No **Chronic (delayed) Health Hazard**

for SARA Title III Sections Yes No **Fire Hazard**

311/312 as indicated: Yes No **Sudden Release of Pressure Hazard**

Yes No **Reactive Hazard**

| CAS # | Hazardous Components (Chemical Name) | Other US EPA or State Lists |
|------------|--|--|
| 111-76-2 | Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, (a glycol ether)} | CAA HAP,ODC: HAP; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No |
| 68439-46-3 | Alcohol ethoxylate (Alcohols, C9-11, Ethoxylated) | CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No |
| 64-02-8 | Ethylenediamine tetraacetic acid, tetrasodium salt | CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No |

16. OTHER INFORMATION

Revision Date: 05/04/2015

Preparer Name: W.M. Barr EHS Dept (901)775-0100

Additional Information About No data available.

This Product:

Company Policy or

Disclaimer:

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.