



PH: 800.544.1188 M-F 9-5 EST
Address:
823 N. Hammonds Ferry Road
Linthicum Heights, MD 21090

Mad Ox | Technical Data Sheet | Powder Form - Oxalic Acid

Mad Ox

Technical Data Sheet

Powder form – Oxalic Acid

Description and use

Mad Ox is a powdered form Oxalic Acid. In its powder state Mad Ox is relatively inert. Mixed correctly with water and it can be used as a PH neutralizer (wood) , rust remover (vinyl, plastic, metal, and smooth concrete) , as well as an acidic brightener (wood, concrete, stone, grout).



Advantages

- Non-Dot regulated in its powder form
- Effective for several cleaning applications when mixed correctly with water

Limitations

Must be mixed with water prior to using.

Technical Data

Appearance and odor – White color, odorless.

Physical state- Crystalline Powder

PH – N/A in its physical form

Vapor pressure - .4 hPa

Vapor density (air=1) – 1.901 g/cm³

Boiling point – N/A

Freezing / Melting Point- N/A

Specific gravity (water=1) 1.09

Evaporation rate- N/A

Solubility in water- Complete

Surface and Air Temperatures



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In its powder state Mad Ox has no limitations when it comes to extreme temperatures. After being mixed and stored, Mad Ox needs to be kept suspended in a mix that stays between 48°F and 98°F with respect to the temperature it is stored in.

Preparation

To use Mad Ox properly it must be dissolved completely in a water solution. This mix often resonates between 1 cup per gallon and 3 cups per gallon depending on application instructions. Once mixed properly, cleaning can commence.

If there are surrounding areas that could be effected by overspray take preventative steps BEFORE applying the product. Such steps could include prewetting surrounding areas and instantly rinsing after soaping, or tarping/ covering sections of surrounding area that is not intended to be washed.

Pre- Testing

Always perform a small surface test area prior to beginning a full deep clean of the surface. Testing should be done to hone in on the minimum ratio required for a specific cleaning task. Cleaning effectiveness will vary based on surface, surface contaminates, age of the surface, conditions of the surface, and desired outcome. Proper testing will allow end user to find a target ratio to apply on a full scale cleaning application. Test should include similar procedure to actual washing application- Same method of application, same dwell time, same method of rinse, same after cleaning process (air dry, hand dry, chemically dry, etc.)

Application instructions

Mad Ox was designed for use with a pressure washer by professional contractors. After its application to the surface it will be clear when it has done its job. Once Mad Ox has worked into the surface it will naturally brighten the surface. After reaching desired brightness immediately flood the surface before beginning thorough rinsing. Rinsing should be done at a pressure that allows for the surface to be freely rinsed but without using a pressure so high it damages the surface. Any pressure so high that it marks, damages, or alters the surface should not be used. For a recommended Pressure rating on a surface check the with the manufacturer of the substrate for recommended maximum pressure ratings.

Dilution Rates

Common dilution rates include adding 1 cup of Mad Ox per gallon of water. Concentrations as high as 10 cups per gallon of water could be needed depending on the type of cleaning, application of detergent after mixing, and desired end results.



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General Safety Information

For full safety information please see Mad Ox Safety Data Sheet, the below details are a general overview of that file.

Precautionary Measures: Always wear goggles and rubber gloves when handling any Dirt Killer product. Keep off of skin and clothing. If material comes in contact with clothing, wash before reuse. This product contains a small blend of Sodium Hydroxide. Do not get in eyes, on skin allow to penetrate clothing. Avoid breathing fumes. Keep container closed when not in use. Only use in areas with adequate ventilation. Applicators should wear rubber boots, gloves, face shields and/or goggles to avoid splash to bare skin and eyes. Take precautions to avoid exposing building occupants to fumes. Do not dilute Mad Ox with any product except water. Do not use for any other applications other than specified. Do not remove label. Read Mad Ox Safety Data Sheet for additional safety and health hazard information prior to use.

Spill or Leak Procedures

Dispose of empty containers according to federal, state and local requirements. Wear protective equipment while performing clean up operations. For large spills dike and contain the spill before initiating cleaning process. For small spills, use a chemically absorbent product and place in approved container for disposal.

Container Handling and Storage

Store the product in a cool, dry place. Keep container tightly closed when not in use. Do not use pressure to empty container. Wash thoroughly after handling and before disposing of. Do not use container as dilution or rinsing vessel. Empty containers could retain residue and must be handled as if full.

Instructions in case of Skin Contact, Eye Exposure, or clothing saturation

Eyes- Flood with water for fifteen minutes. Seek immediate medical attention.

Skin- Wash off with soap water. If rash appears seek medical attention

Inhalation- Remove to fresh air. If irritation persists, call physician.

Ingestion- Drink large amounts of water. Seek immediate medical attention. DO NOT induce vomiting.

Clothing Saturation- Treat clothing as hazardous material and immediately remove all saturated articles. Immediately wash down in a shower and rinse skin thoroughly to flush/ dilute soap from the pores. If rash appears, seek immediate medical attention.



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Disclaimer

This products Safety Data Sheet and Technical Data Sheet relies on the guidance of the Dangerous Goods Council and CFR guidelines/ criteria for regulated materials. The information contained in either document is given in good faith, but carries no warranty, neither expressed or implied, is made to any user of the product. Final determination of the suitability of any material is the sole responsibility of the end user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described above, we cannot guarantee that these are the only hazards existing through usage of this product. It is the sole responsibility of the end user to perform test's, clean sample areas, and use all products responsibly.

Customer Service

For further assistance please call Dirt Killer Pressure Washers at 1.800.544.1188 or email our staff at info@dirtkiller.com