

MATERIAL SAFETY DATA SHEET: MIX MINERAL/MIX AQUA

1. Identification of the substance/preparation and the company

Identification of the substance or preparation:

Product name: MIX MINERAL AND MIX AQUA RANGE

Use of the substance/preparation: CONCENTRATED PIGMENT DISPERSION IN WATER SOLUTION FOR THE TINTING OF STRONGLY ALKALINE WATER-BASED PAINTS THROUGH TINTING SYSTEM. PRODUCTS FOR PAINT AND VARNISH INDUSTRIES.

Company identification:

Name: DIMENSIONS INTERNATIONAL
Full address: 1967 W. 9th STREET, UNIT B
City, State, Zip, Country: RIVIERA BEACH, FL 33404 USA

Emergency telephone: 561-863-4009
For urgent inquiries, refer to: nina@dimensionsplaster.com

2. Composition/information on ingredients

Chemical Characteristics: Concentrated mixture of mineral pigments and tinting paste.

Hazardous Substances: MIX MINERAL and MIX AQUA do not contain any substance classified as dangerous.

Hazard Classification: **No danger classification concerning health or environment. Pigments contains substances classified as non-dangerous for health and environment.** This system complies with Eco Label and Blue Angel Directives regarding biocides (no VOCs, formaldehyde free); active material classified R20/22 are present in the formulation in a percentage below 0.005% w/w, i.e. 5 ppm. Pigments do not contain any flavor and no allergenic agents.

3. Hazards identification

Classification Of Product: These pigments are classified as non-dangerous

Physical Type Hazards:

Negative Effects For Human Health: Under normal use and in its original form, the product has no dangerous effect on human health. There are no substances in the formulation classified as dangerous for health.

Negative Effects For The Environment: By normal use conditions and in its original form, the product has no dangerous effect for the environment. There are no substances classified as dangerous for the environment.

4. First aid measures

The preparation for the typology of the substances contained in it (without danger classification) needs no particular advertisings.

Inhalation: None

Skin contact: Can cause irritation to skin with prolonged contact; wash with water and soap.

Eye contact: Irritating when in contact with eyes; flush eye fully with water for at least 15 minutes and repeat; seek medical attention if necessary;

Ingestion: Never induce vomiting; seek medical attention if necessary.

5. Firefighting measures

Suitable Extinguishing Media: The product is not flammable; in case of fire, use suitable extinguishing measures.

Extinguishing Measures Not To Be Used For Safety Reasons: No limitation

Particular Explosion Dangers From The Substance Or Preparation From The Combustion Product Or The Gases Produced: If the product is caught in a fire, irritant fumes can be released.

Special Protective Measures For Fire Fighting Staff: No particular measures required. Use fire protective means: Helmet, jacket, trousers, boots, gloves.

6. Accidental release measures

Personal Protection: No particular protective measures required.

Environmental precaution: Contain the spill with sand to prevent product from entering sewers or water tables.

Cleaning method: If the product comes in contact with porous ground, remove contaminated portion; if product comes in contact with non-porous ground or surface, add sand, sawdust, etc. and store in an appropriate container for disposal as outlined in section 13.

Other: In case product leak is a result of a damaged container, place remaining product in another solid container.

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7. Handling and storage

Handling: No particular measures required. To be used only in well-ventilated rooms or with extractor unit.
Storage: No particular measures required. Keep dry.
Particular use: For particular use of the product, refer to specific information in the technical sheet or contact company's Technical Service.

8. Exposure controls/personal protection

Handle this product carefully.

Exposure limit values: No limit values for personal exposure. The product contains no dangerous substances.
Hygiene norms: Not required.
Hand protection: The glove material has to be waterproof. Hand protection has to be resistant to chemical agents, refer to the results of tests following norm EN 374. Use natural latex gloves, neoprene, nitrile, PVC vinile.
Eye protection: Protective acetate glasses or screens.
Skin protection: Use work clothing that covers all extremities.
Environmental exposure: Avoid discharge into water tables and sewers. Follow government environmental rules.

9. Physical and chemical properties

Appearance: Thick-semi fluid
Odour: Slight, characteristic of the used pigment
pH: 7.50 – 8.00
Boiling point: Not certified. Preparation classified as No-VOC.
Flash point: No flash point-tests effected until boiling point
Vapour tension: Not certified
Relative density: 1.75 gr/ml
Hydrosolubility: Fully miscible
Viscosity: 3_10 Pa*s

10. Stability and reactivity

Conditions To Avoid: With normal use, the product does not decompose. In addition to what is expressly indicated, there is no evidence that dangerous reactions could occur even in case of release in the environment.

Materials To Avoid: Avoid product contact with: Acids, bases, oxidants, or any other specific substance, which could provoke a dangerous reaction if not explicitly specified in technical bulletins.

Dangerous Decomposition Products: In addition to what is expressly indicated, there is no knowledge about substances that could form in dangerous quantities due to the product's decomposition.

11. Toxicological information

Under normal use and for the purposes it is intended, the product has no dangerous properties that will affect human health. There are no substances classified as dangerous for human health in the formulation, or for which there are community exposure limits in working areas. Absence of volatile organic compounds for this VOC-FREE classified product.

No irritant effects for eyes or skin. No sensibility effects known.

Exposure For Inhalation: Inhalation of the product is an insignificant phenomenon for this VOC-FREE classified product without organic solvents and other volatile substances. There is no specific information, on the base of our experience or scientific research, about toxicological effects after inhalation of the substances contained in the product.

Exposure For Ingestion: There is no specific information, on the base of our experience or scientific research, about toxicological effects after ingestion of the substances contained in the product.

Exposure For Contact With Eyes Or Skin: There is no specific information, on the base of our experience or scientific research, about toxicological effects after contact with eyes or skin of the substances contained in the product.

The product has not been tested. The indication is given based on each product-component property (classified as not dangerous).

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12. Ecological information

The product, for the typology of substances contained in it, and their suggested quantity in the composition of the preparation itself, has no significant effects on the environment, with particular reference to the microorganism activity inhibition, accretion, biodegradability, and persistence in the environment. Product is not alkyl-phenol ethoxylated (APEO-free).

Under normal use, the product does not affect sewer or wastewater treatment systems. Do not release in the environment.

Eco-Toxicity: The product has no significant inhibitory effects on microorganisms' activity.

Mobility: The product contains no dangerous substances for the environment for which there is specific information about their dispersion, known or supposed, in environmental compartments or certain data about their absorption/de-absorption.

Persistence And Degradability: The product contains no dangerous substances for the environment for which there is specific information about their degradation capability in particular environmental circumstances due to biodegradation or other processes like oxidation or hydrolysis.

Bio-Accumulation Potential: The product contains no dangerous substances for the environment for which there is specific information about its possibility to accumulate in organisms and cross the food chain, with reference to Kow and BCF values.

Other Unfavorable Effects: There is no specific information, on the base of experience or scientific research, for which the product could contribute to ozone reduction, photochemical ozone creation, and global warming.

13. Disposal considerations

Product and containers must be disposed of properly per local and state regulations. Consult all applicable federal, state and local regulations regarding proper disposal of this material.

14. Transport information

Precautions: During transportation, the following rules have to be observed:

- place lightweight parcels on top of heavier packages.
- do not place next to products with "dangerous" warnings

The product must be shipped in completely sealed original containers in order to avoid product leakage.

15. Norm information

EC directives 1999/45/CE – 2001/60/CE

NO-VOC classification in accordance with the following EU requirements:

- 1) 1999/13/EC of March 11th 1999, « Limitations of VOC emissions due to organic solvents employment »,
- 2) European Council Directive proposal nr. 2002/0301 of December 23rd 2002; European Commission Decision of September 3rd, 2002, regarding the EU requirements for the ECO-LABEL classification of interior paints » (**ECO-LABEL**).

Information on the label

- Keep away from children (S 2)
- Safety data sheet available for professional users

16. Other information

The information on this safety data sheet is mainly based on data obtained by consulting the following sources:

- National Toxicology Program (NTP) – U.S. Department of Health and Human Services
- NIOSH – Registry of Toxic Effects of Chemical Substances
- SAX – Dangerous Properties of Industrial Materials (7th ed.)

Information addition, removing, or changes, due to safety data sheet revision

The current safety data sheet edition, replaces in each and every point, the previous editions.

For the latest information (written references and/or technical center) see technical sheet.

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