FLAG STONE FIX
STONE CARE EXPERTS

ZYAX GROUP

Material Safety Data Sheet(MSDS)

DENSI-SHIELD 200

SECTION 1: IDENTIFICATION

1.1 GHS Product Identifier

Product name	DENSI-SHIELD 200

1.2 Other means of Identification

Clear liquid

1.3 Recommended use of the chemical and restrictions on use

Natural stone densifier

1.4 Supplier's details

Name	Zyax Chem Pvt. Ltd.,
Address	Third Floor, Kamer Building, 38, Cawasji Patel Street, Fort, Mumbai, Maharashtra, 400001, India.
Contact	+91 87792 40420
Email	info@zyax.in
Website	www.flagstonefix.com

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)
- Eye damage/irritation, Cat. 1
- Skin corrosion/irritation, Cat. 1

2.2 GHS label elements, including precautionary statements

Pictograms	Warning

Hazard statement(s)

H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage

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Precautionary statement(s)

P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash ... thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	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/doctor/...
P321	Specific treatment (see ... on this label).
P363	Wash contaminated clothing before reuse.
P405	Store locked up.
P501	Dispose of contents/container to ...

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Product contains the following components with other non-hazardous additions

Hazardous components

1. Water

Concentration	25 - 75 % (weight)
EC no.	231-791-2
CAS no.	7732-18-5

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SECTION 4: FIRST-AID MEASURES

4.1 Description of necessary first-aid measures

If inhaled	Move affected person to fresh air.
In case of skin contact	Gently wash all affected skin areas thoroughly with soap and water. If symptoms such as redness or irritation develop, IMMEDIATELY call a physician and be prepared to transport the victim to a hospital for treatment.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.
If swallowed	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.
	Personal protective equipment for first-aid responders Basic PPE recommended.

Personal protective equipment for first-aid responders
Basic PPE

4.2 Most important symptoms/effects, acute and delayed

Allergies, sickness and minor irritation.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Unconciousness.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Use extinguishing media appropriate for surrounding fire.

5.2 Specific hazards arising from the chemical

No data available.

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

*ACUTE/CHRONIC HAZARDS:
Information concerning acute hazards of this chemical is not available.
*MINIMUM PROTECTIVE CLOTHING: Not available
*RECOMMENDED GLOVE MATERIALS:
Permeation Test Results For The Neat (Undiluted) Chemical:
The permeation test results for the neat (undiluted) chemical are given below. The breakthrough times of this chemical are given for each glove type tested. The table is a presentation of actual test results, not specific recommendations or suggestions. Avoid glove types which exhibit breakthrough times of less than the anticipated task time plus an adequate safety factor. If this chemical makes direct contact with your glove, or if a tear, puncture or hole develops, replace them at once.

Glove Type Model Number Thickness Breakthrough Time
Butyl rubber North B-161 0.71 mm 480 min
Neoprene Edmont 29-870 0.48 mm 480 min
Viton North F-091 0.25 mm 480 min
Unknown North Silvershield 0.10 mm 480 min

*RECOMMENDED RESPIRATOR:
Where the neat test chemical is weighed and diluted, wear a NIOSH-approved half face respirator equipped with an organic vapor/acid gas cartridge (specific for organic vapors, HCl, acid gas and SO2) with a dust/mist filter.

*OTHER: Not available

*STORAGE PRECAUTIONS:
You should store this material at ambient temperatures.

*SPILLS AND LEAKAGE:
If you should spill this chemical, use absorbent paper to pick up all liquid spill material. Seal the absorbent paper, as well as any of your clothing which may be contaminated, in a vapor-tight plastic bag for eventual disposal. Wash any surfaces you may have contaminated with a soap and water solution. Do not reenter the contaminated area until the Safety Officer (or other responsible person) has verified that the area has been properly cleaned.

*DISPOSAL AND WASTE TREATMENT: Not available

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6.3 Methods and materials for containment and cleaning up

Soak up with absorbent material.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Appropriate engineering controls

Product does not contain materials that require special control parameters.

8.2 Individual protection measures, such as personal protective equipment (PPE)

Product does not contain materials that require special control parameters.

Eye/face protection

Prevent from getting into eyes and mouth.

Skin protection

Avoid prolonged contact with skin.

Respiratory protection

Product does not contain any material that requires special breathing accessories.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES AND SAFETY CHARACTERISTICS

Physical state	Liquid
Appearance	Water-like
Color	Clear
Odor	Characterisitc
Odor threshold	No data available.
pH	12-13
Melting point/freezing point	5
Boiling point or initial boiling point and boiling range	105-110
Flash point	No data available.
Evaporation rate	No data available.
Flammability	Product is not flammable
Lower and upper explosion limit/flammability limit	No data available.
Vapor pressure	No data available.
Relative vapor density	No data available.
Density and/or relative density	0.99-1.02
Solubility	Soluble in water
Partition coefficient n-octanol/water (log value)	No data available.
Auto-ignition temperature	Product is not auto-igniting.
Decomposition temperature	No data available.
Kinematic viscosity	No data available.
Explosive properties	Product is not explosive

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None under normal use conditions.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

None under normal use conditions.

10.4 Conditions to avoid

Avoid storing in direct sunlight and avoid extremes of temperature.

10.5 Incompatible materials

Do not store near acids, Strong oxidizing agents, Carbon dioxide (CO2)

10.6 Hazardous decomposition products

Water: In the event of fire: see section 5

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity
No data available.

Skin corrosion/irritation
Prolonged exposure may cause irritation.

Serious eye damage/irritation
Prolonged exposure may cause irritation.

Respiratory or skin sensitization
Prolonged exposure may cause irritation.

Germ cell mutagenicity
Based on available data, classification data are not met

Carcinogenicity
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity
Based on available data, classification data are not met

Specific target organ toxicity (STOT) - single exposure
Based on available data, classification data are not met

Specific target organ toxicity (STOT) - repeated exposure
Based on available data, classification data are not met

Aspiration hazard
Based on available data, classification data are not met

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SECTION 12: ECOLOGICAL INFORMATION

Product is not toxic.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods

Dispose in accordance with local/national regulations.

SECTION 14: TRANSPORT INFORMATION

DOT (US)
UN Number: Not regulated.
Class: Not regulated.
Packing Group: Not regulated.
Proper Shipping Name: Water
Reportable quantity (RQ): Not regulated.
Marine pollutant: NO
Poison inhalation hazard: NONE

IMDG
UN Number: Not regulated.
Class: Not regulated.
Packing Group: Not regulated.
EMS Number: Not regulated.
Proper Shipping Name: Water

IATA
UN Number: Not regulated.
Class: Not regulated.
Packing Group: Not regulated.
Proper Shipping Name: Water

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SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations specific for the product in question

SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
No SARA Hazards

Massachusetts Right To Know Components
No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components
Water
CAS-No. 7732-18-5

New Jersey Right To Know Components
Water
CAS-No. 7732-18-5

California Prop. 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Canadian Domestic Substances List (DSL)
Chemical name: Water
CAS: 7732-18-5

SECTION 16: OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Contact:
Email:
Date of issue: