



1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 PRODUCT IDENTIFICATION

Supershield Admixplus

1.2 RECOMMENDED USE

Waterproofing and protection of concrete

1.3 COMPANY IDENTIFICATION

Supershield Private Limited

No 37, 3rd main road, R.A. Puram, Chennai - 600028, India.

Email: contact@supershieldglobal.com

Website: www.supershieldglobal.com

1.4 EMERGENCY TELEPHONE

1-800-425-5505

In times of unavailability, contact your local emergency services.

2. HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

2.1.1 Classification in accordance with GHS

Skin Irrit. 2: H315 Causes skin irritation.

Eye Dam. 1: H318 Causes serious eye damage.

Skin Sens. 1: H317 May cause an allergic skin reaction.

2.2 LABEL ELEMENTS: in accordance with GHS



Warning

2.3 HAZARD STATEMENTS

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

H317 - May cause an allergic skin reaction.

H335 - May cause respiratory irritation.



2.4 PRECAUTIONARY STATEMENTS

P280 - Wear protective gloves / protective clothing / eye protection / face protection & approved duct masks.

P264 - Wash thoroughly after handling.

2.5 RESPONSIVE PRECAUTIONARY STATEMENTS

P264 Wash thoroughly after handling

P280 Wear protective gloves / protective clothing / eye protection / face protection.

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 CENTRE or doctor / physician.

P304 + P340 IF INHALED- Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Not classified as a dangerous goods by the criteria of the ADG Code

Risk Phrases: R/36, 37, 38 Irritating to eyes, respiratory system and skin
R/43 May cause sensitization by skin contact.

Safety Phrases: S/22 Do not breathe dust.
S/24/25 Avoid contact with the eyes.
S/26 In case of contact with eyes, rinse immediately with plenty of water.
S37/S39 Wear suitable gloves and eye / face protection.

3.COMPOSITION INFORMATION ON INGREDIENTS

Hazardous Ingredients	%	CAS. No.	Classification According to GHS
Alkaline Earth Compounds (calcium dihydroxide)	5 - 20%	1305-62-0	Skin Irrit. 2: H315 Eye Dam. 1: H318 STOT SE 3: H335

Water based solution of inorganic alkaline earth compounds



4. FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

When seeking medical advice take this safety data sheet with you.

INHALATION: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek immediate professional medical attention.

EYE CONTACT: IF IN EYES – Irrigate cautiously with large amounts of water for at least 60 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Do not rub eyes as this may cause additional irritation or damage. Seek immediate professional medical attention if irritation persists.

SKIN CONTACT: Under running water, remove contaminated clothing, shoes and leather goods. Continuously flush contaminated area with lukewarm, gently flowing water for at least 60 minutes. If skin irritation or rash occurs, seek medical advice / attention.

INGESTION: Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. If conscious, wash out mouth with clean water. Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing. Seek immediate professional medical assistance and contact a poison centre.

5. FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Supershield Admixplus is not flammable and is not subject to explosion.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

No hazardous combustion products. Material can splatter above 120°C

5.3 ADVICE FOR FIREFIGHTERS

No need for specialist protective equipment for firefighters. Prior to using the product liaise with local fire authority for confirmation of best and most current form of firefighting equipment for the product.

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PROTECTIVE MEASURES

Always wear full protective equipment as referred to under Section 8.2.2 to prevent any contamination of skin, eyes, and personal clothing.

6.2 ENVIRONMENT PROTECTION MEASURES

Do not allow product into drains or water courses. Any spillages into watercourses must be alerted to the Environment Agency or other regulatory body.



6.3 METHODS FOR CLEANING UP

Wear full personal protective equipment when cleaning up, whatever method is chosen. Uses dry cleanup methods.

7. HANDLING AND STORAGE

7.1 HANDLING

At all times avoid contact with skin and eyes. Always wear sufficient and full protective equipment and suitable clothing when handling the product. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 STORAGE

P402 + P232 + P233 Store in a dry place. Keep container tightly closed.

Store this product in a draught free environment, clear of the ground, avoiding humid conditions and extremes of temperature (minimum lower temperature of 7°C (45°F). The product should be used within 12 months of the date of production; product should not have been exposed to the atmosphere prior to use.

Any product that is stacked should be done so in a stable manner, and to a safe height. The stacking of product should be done in such a manner that it does not create any risk of product falling and accidentally bursting the packaging open.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 EXPOSURE CONTROLS

8.1.1 Appropriate Engineering Controls

Provide adequate and suitable ventilation / ventilation equipment when handling product, to maintain dust below OES. All ventilation systems should be filtered before discharge to atmosphere.

Do not eat, drink or smoke when working with the product to avoid contact with skin or mouth. Immediately after working with the product, workers should wash or shower or use skin moisturizers. Remove contaminated clothing, footwear, watches, etc., and clean thoroughly before re-using.

8.1.2 Personal Protection Equipment

P280 - Wear protective gloves / protective clothing / eye protection / face protection.

P264 - Wash hands thoroughly after handling.

P272 - Contaminated work clothing should not be allowed out of the workplace.

Skin Protection – Use impervious, abrasion and alkali resistant gloves, enclosed rubber boots that



resist liquid penetration, closed long-sleeved impervious protective clothing that protects skin from contact. Close all fittings at opening.

Eye Protection – Wear safety goggles / glasses at all times when handling the product. Ensure the goggles / glasses have suitable side protection, are wide vision, and that there is no risk of product particles being able to enter the eye(s).

Respiratory Protection – Use an APPROVED NIOSH dust mask. Respiratory protective equipment must be in compliance with relevant national legislation. It is good practice to conduct fit-testing when selecting respiratory protective equipment. Additional safety precautions may include the provision a shower facility.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colourless Liquid
Odour	None
pH	pH 10-12
Melting / Freezing Point	Not applicable
Initial Boiling Point and Range	Not applicable
Flash Point	Not applicable
Evaporation Rate	Not applicable
Flammability Upper / Lower flammability / Explosive Limits	Not applicable
Vapour Pressure	Not applicable
Vapour Density	Not applicable
Solubility	Miscible
Auto-ignition Temperature	Not applicable
Viscosity	2.8 to 3.5 mPas
Specific Gravity	1.08

10. STABILITY AND REACTIVITY

10.1 REACTIVITY

Alkaline earth compounds react vigorously with strong acids. They also attack aluminum, lead and brass in the presence of moisture.

This reaction is exo-thermal and may last up to 24 hours. The total heat released is < 500 kJ/kg.



10.2 CHEMICAL STABILITY

The product is chemically stable under normal temperatures and pressure.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No decomposition if used according to specifications.

10.4 CONDITIONS TO AVOID

Avoid exposure to low temperatures and freezing.

10.5 INCOMPATIBLE MATERIALS

None known.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

None known.

11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

Acute Dermal Toxicity: Rabbit dermal LD50 > 2,500 mg/kg/bw.

Acute Oral Toxicity: May cause irritation to the gastrointestinal tract. Rat oral LD50 > 2,000 mg/kg/bw.

Skin Corrosion / Irritation: Irritant for skin and mucous membranes.

Serious Eye Damage / Irritation: Direct contact with product may cause irritation/corrosion effect.

Skin Sensitization: No sensitizing effect known.

11.2 ASPIRATION HAZARD

No data available.

11.3 LIKELY ROUTES OF EXPOSURE

Inhalation: NO

Skin – Eyes: YES

Ingestion: NO – except in accidental cases

12. ECOLOGICAL INFORMATION

12.1 ECOTOXICITY

Do not allow the material to enter water course. If water is contaminated inform the relevant authorities immediately.

Alkaline conditions may also have effects on vegetation.



12.2 PERSISTENCE AND DEGRADABILITY

Alkaline earth material is non bio-degradable; it reacts with atmosphere and dissolved carbon dioxide to form calcium carbonate (chalk).

12.3 BIO ACCUMULATIVE POTENTIAL

None of the substances in this mixture are known to bioaccumulate.

12.4 MOBILITY IN SOIL

Not known.

12.5 RESULTS OF PBT AND VPVB ASSESSMENT

This mixture does not contain any substances that are assessed to be PBT or vPvB.

13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

Dispose of in a manner consistent with federal, state and local regulations. Do not dispose together with household garbage. Do not allow product to reach sewage system.

13.2 PACKAGING

Completely empty packaging and process it according to current regulations / legislation.

14. TRANSPORT INFORMATION

The product is not classified as hazardous for transport purposes.

15. REGULATORY INFORMATION

GHS

WHMIS

OSHA

16. OTHER INFORMATION

Abbreviations

CAS Chemical Abstract Service Number

Lc50 Median lethal concentration

LD50 Median lethal dose

NOEC No observable effect concentration

WHMIS Workplace Hazardous Materials Information System

Hazard Statements In Full

H315 Causes skin irritation.

H318 Causes serious eye damage.



H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

Precautionary Statements In Full

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves / protective clothing / eye protection / face protection.

P272 Contaminated work clothing should not be allowed out of the workplace.

P264 Wash thoroughly after handling.

Responsive Precautionary Statements

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 CENTRE or doctor / physician.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P332+ P313 If skin irritation or rash occurs: Get medical advice / attention.

P362 Take off contaminated clothing and wash before reuse.

P501 Dispose of contents / container to ...

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P314 Get medical advice / attention if you feel unwell.

Disclaimer: The information provided on this MSDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty, quality specification or construed as legal advice or as insuring compliance with any federal, state, provincial or local laws or regulations. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.