



SAFETY DATA SHEET

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I. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product name: DR FIXIT MODERN TILE ADHESIVE

Product description: Cementitious product

Product use: Cement based powdery material for construction industry of tile fixing adhesive.

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SECTION II- IDENTIFICATION OF HAZARDS

2.1 Classification of the substance or mixture according to UN GHS:

Skin Irritation, Category 2
Eye damage, Category 1
Skin sensitization, Category 1
Specific target organ toxicity - single exposure, category 3



2.2 Label elements

Signal word: Danger

Hazard statement:

H315: Causes skin irritation.
H318: Causes serious eye damage
H317: May cause an allergic skin reaction
H335: May cause respiratory irritation.

Precautionary statement

P102: Keep out of reach of children.
P261: Avoid breathing dust
P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/ eye protection/ face protection
P304+P341: IF INHALED: If breathing is difficult, remove 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.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P362: Take off contaminated clothing and wash before reuse.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents and container in accordance with local, regional, international regulations.

2.3 Other hazards: On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0.1%.

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SECTION III – COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Identity: Cementitious product. (CAS: 65997-15-1)

SECTION IV- FIRST AID MEASURES

4.1. Description of first-Aid Measures

On Skin

Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

On eye contact

Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing. If redness, burning, irritation symptoms persist seek medical attention if

On inhaled

Move the exposed person to fresh air. Remove patient from contaminated area. Lay patient down. Keep warm and rested. Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures. Apply artificial respiration if breathing is difficult. Seek medical attention.

Ingestion

Wash out mouth with water, remove dentures if any, NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! If conscious give small quantities of water to drink. DO NOT induce vomiting. Get medical attention immediately.

Note to physician

There is no specific antidote. Treatment should be given symptomatically on the clinical conditions.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation: May cause irritation to the respiratory system. May cause damage to mucous membranes in nose, throat, lungs & bronchial system

Eye contact: May cause severe irritation to eyes. May cause blurred vision and serious eye damage.

Skin contact: May cause serious chemical burns to the skin.

Ingestion: May cause burns. Additional effects may include sore throat, diarrhea and stomach pain.

4.3. Indication of any immediate medical attention and special treatment needed

Treatment: Symptomatic treatment

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SECTION V - FIRE-FIGHTING MEASURES

Product does not present fire or explosion hazard.

Fire extinguishing media: Use extinguishing media appropriate for surrounding fire.

Special fire fighting procedure: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Unusual fire and explosion hazards: Does not show any particular risk in case of fire.

Hazardous thermal decomposition products

Carbon monoxide (CO) & Carbon dioxide (CO₂); In case of fire toxic gases may be formed (Cox, NOx)

Special Protective equipment

Wear full protective clothing and self-contained breathing apparatus (SCBA). Prevent, by any means available, spillage from entering drains or water course. Consider evacuation.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid contact with the skin and the eyes. See sections VII & VIII for personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Environment precautions: Do not allow to enter soil, waterways and open bodies of water.

Cleaning methods: Pick up dry material. Possibly reuse depending upon shelf-life considerations and the requirement to avoid dust exposure. In case of disposal, harden with water and dispose according.

SECTION VII- HANDLING AND STORAGE

7.1. Precautions for Safe handling

Safe handling

Avoid all personal contact, including inhalation. Wear suitable protective equipment. (See section 8). Use in a well-ventilated area. Avoid contact with incompatible materials. Avoid handling which leads to dust formation. Keep containers securely sealed when not in use. Avoid physical damage to containers. Launder contaminated clothing before re-use. Use good occupational work practice.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in a cool, dry, well-ventilated area. Store in original container. Protect from frost & physical damage. Keep container tightly closed when not in use. Maintain good housekeeping. Check regularly for leaks. Do not eat, drink, or smoke in areas of use or storage.

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SECTION VIII- EXPOSURE CONTROL/ PERSONAL PROTECTIVE EQUIPMENT

8.1. Control parameters

Substances whose occupational exposure limits have to be monitored in the workplace:

CAS no.	Component	ACGIH TLV –TWA	OSHA PEL (ppm)
65997-15-1	Portland Cement	TWA: 1mg/m ³ particulate matter containing no asbestos and <1% crystalline silica respirable fraction	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 10 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction

8.2. Exposure controls

A - Respiratory protection

Pictogram	PPE	Remarks
	Maintain good ventilation in the area. If exposure limits are exceeded or irritation is experienced, MSHA/NIOSH approved are recommended Positive pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.	--

B –Skin protection

Pictogram	PPE	Remarks
	Impervious gloves	Replace gloves in case of any sign of damage.

C - Eye/face protection:

Pictogram	PPE	Remarks
	Tightly fitting safety goggles	Clean daily and disinfect periodically according to the manufacturer’s instructions. Use if there is a risk of splashing.

D – Body Protection

Pictogram	PPE	Remarks
None	Wear appropriate protective gloves and clothing to prevent skin exposure	Replace before any evidence of deterioration.

E. Appropriate engineering controls

Provide adequate ventilation

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F. Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

G. Protective measures Eye wash facility and emergency shower.

H. Environmental exposure controls

Comply with the requirement of local environmental protection legislation. It is recommended to avoid environmental spillage of both the product and its container.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Form: Powder

Color: Grey

Odor: Characteristic

pH (mixed with water): 11

Melting point/Melting range: Not required.

Boiling point: Not required

Flash point: Not required.

Flammability: Non-flammable

Auto-ignition temperature: Not determined

Decomposition temperature: Not determined

Bulk density (tapped): 1.4

Solubility in / Miscibility with water: Keep away from water

SECTION X - STABILITY AND REACTIVITY DATA

10.1 Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport

10.2 Chemical stability Stable under normal conditions.

10.3 Possibility of hazardous reaction Not known

10.4 Conditions to avoid Avoid contact with acids, water, moisture product may harden on contact with water.

10.5 Incompatible Materials: Materials to avoid: Acids, Oxidizing materials

10.6 Hazardous decomposition Products: Thermal decomposition leads to carbon monoxide, carbon dioxide

SECTION XI - TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

When the cement based powder is mixed with water or admixture, a strongly alkaline paste is produced. Cement based products may, until set, cause both irritant and allergic contact dermatitis. Irritant, contact dermatitis is due to a combination of the wetness, alkalinity and abrasiveness of the constituent materials. Corrosive, Prolonged contact causes serious eye and tissue damage.

The experimental information related to the toxicological properties of the product itself is not available

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Acute Toxicity:

Component	CAS No.	LD50 Oral	LD50 Dermal	LC50 Inhalation
Portland cement	65997-15-1	>2000 mg/kg rabbit	--	--

A- Ingestion (acute effect)

Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

B- Inhalation (acute effect)

May cause irritation to the respiratory system. May cause damage to mucous membranes in nose, throat, lungs and bronchial system. Harmful! Danger of serious damage to health by prolonged exposure through inhalation.

C- Contact with the skin and the eyes (acute effect)

Contact with the skin: May cause serious chemical burns to the skin. Skin contact may cause an allergic skin reaction.

Contact with the eyes: Severely irritating to eyes. Risk of serious damage to eyes.

D- Sensitizing effects:

Skin: Sensitization possible through skin contact

E- STOT-single exposure Based on available data, the classification criteria are not met.

F- STOT-repeated exposure: STOT Repeated Exposure Category 3

May cause respiratory irritation.

CMR effects (Carcinogenicity, mutagenicity and toxicity for reproduction)

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

Carcinogenicity: Based on available data, the classification criteria are not met.

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

SECTION XII - ECOLOGICAL INFORMATION

The product is not expected to be hazardous to the environment. The addition of large amounts of cementitious product to water may, however, cause a rise in pH and may therefore be toxic to aquatic life under certain circumstances.

12.1 Aquatic toxicity

Acute toxicity to fish: The product itself has not been tested.

Acute toxicity to daphnia and other aquatic invertebrates: The product itself has not been tested

Toxicity to aquatic plants: The product itself has not been tested.

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Chronic toxicity to daphnia and other aquatic invertebrates:

The product itself has not been tested.

12.2 Persistence and degradability

Not relevant, After hardening Cement possesses no toxicity risk.

Biodegradation (For Product):

No data available

BOD/COD Ratio (For Product):

No data available

12.3 Bioaccumulative potential

Will not bio-accumulate

12.4 Mobility in soil

Product is non-volatile. The product is insoluble in water and will sediment in water systems.

12. 5 Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6 Other adverse effects No information available

SECTION XIII - DISPOSAL INFORMATION

Waste from Residues / Unused Products: Dispose off in accordance with local regulations.

Contaminated Packaging: Empty containers should be taken to local recyclers for disposal.

SECTION XIV - TRANSPORTATION INFORMATION

Cement is not covered by the international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID) and no classification is required

UN Number (ADR, IMDG, IATA): Not regulated

UN proper shipping Name (ADR, IMDG, IATA): Not regulated

Transport hazard class (es) (ADR, IMDG, IATA): Not regulated

Packing group (ADR, IMDG, IATA): Not regulated

Environmental hazards: Marine pollutant: No

Special precautions for user: None

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SECTION XV - REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Chemical Inventories: The chemical Substances used in the product are listed on following chemical inventories:

Australia (AICS), Canada (DSL), China (IECSC-SEPA), Japan (ENCS), Korea (KECI), Philippines (PICCS), USA (TSCA), Europe (EINECS)

15.2 Chemical safety assessment:

The chemical safety assessment has not been carried out.

SECTION XVI - MISCELLANEOUS INFORMATION

Legislation related to safety data sheets

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.

Non-applicable

Texts of the legislative phrases mentioned in section 2 & 3

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	May causes serious eye damage.
H330	Fatal if inhaled
H335	May cause respiratory irritation.

Abbreviations and acronyms:

ACGIH	USA. ACGIH Threshold Limit Values (TLV)
ACGIH / TWA	8-hour, time-weighted average
ADR	European agreement concerning the international carriage of dangerous goods by road
BOD:	Biochemical oxygen demand
BCF	Bioconcentration factor
CAS No	Chemical Abstracts Service number
COD:	Chemical Oxygen Demand
IMDG	International maritime dangerous goods code
IATA	International Air Transport Association
ICAO	International Civil Aviation Organisation
OSHA PEL	Occupational Safety and Health Administration Permissible exposure limits
PBT	Persistent, bio-accumulative and toxic substance
PPE	Personal Protective equipment
vPvB	Very persistent and very bio-accumulative

The data presented here is based on the information we believe to be reliable but unknown risks may be present. We disclaim liability for damage or injury which results from the use of the above data and nothing contained therein shall constitute a guarantee or a warranty (including warranty of Merchantability or fitness for a particular purpose) or representation (including freedom from Patentability) by us with respect to the accuracy or completeness of the data, the product described or their use for any specific purpose as known to us. The final determination of the suitability of information, the manner of use of information or product and potential infringement of patents is the sole responsibility of the user.