MATERIAL SAFETY DATA SHEET

Section 1: Identification

Product name: Rockbond Form Tard Plus

Recommended use: Retarding solution for exposing concrete aggregate for decorative or keying further castings

Company details: Rockbond SCP Ltd

Address: 7 Te Puni Street, Petone, Lower Hutt, Wellington, New Zealand 5012

Telephone Number: 0800 76 25 26

Emergency telephone number: 0800 76 25 26 (Hours of Operation 7.30am to 5pm Monday - Friday)

Date of preparation: January 2022

Section 2: Hazards Identification

Hazard classification: This material is not classified as hazardous. May cause mild skin irritation.

Signal word : No signal word.

Hazard statements : No known significant effects or critical hazards.

Precautionary statements

Prevention : Wear protective clothing/gloves/eye protection

Response : Not applicable.

Storage : Not applicable.

Disposal : Dispose of contents/container to an approved waster facility.

Other hazards which do not result in classification: None known.

Section 3: Composition/information on ingredients

Substance/Mixture: Mixture.

CAS number/other identifiers

CAS number: Not applicable.

EC number: Mixture.

Product Code: 7.24

Section 3: Composition/information on ingredients

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.
Occupational exposure limits, if available, are listed in Section 8.

Section 4: First-aid measures

Description of necessary first-aid measures

Inhalation: Remove casualty from exposure. If unconscious check for breathing & apply artificial respiration if necessary. Get medical attention if adverse effects occur.

Ingestion: Wash the mouth out with water. Do not induce vomiting. Get medical attention if adverse effects occur.

Skin Contact: Remove contaminated clothes and footwear immediately. Drench the affected skin with running water for 10 minutes

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Ingestion: There may be soreness & redness of the mouth & throat. Nausea & Stomach pains may occur. There may be vomiting.

Skin contact: Irritation or pain may occur at site of contact.

Eye contact: There maybe irritation & redness.

Over-exposure signs/symptoms

Inhalation: No specific data.

Ingestion: No specific data.

Skin: No specific data.

Eyes: No specific data.

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

Specific treatments: Eye bathing equipment should be available on the premises.

Notes to physician: No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5: Fire-fighting measures

Extinguishing media

Suitable: No known UNSUITABLE extinguishing media. Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

Not suitable:	None known.
Specific hazards arising from the chemical:	The material is not flammable. In combustion, emits toxic flames of carbon dioxide/carbon monoxide.
Hazardous thermal decomposition products:	Decomposition products may include the following materials: carbon dioxide, carbon monoxide, metal oxide/oxides.
Hazchem code:	Not available.
Special precautions for fire-fighters:	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.
Special protective equipment for fire-fighters:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment (see Section 8).
Environmental precautions:	Do not discharge into drains or rivers. Contain the spillage using bunding.

Methods and materials for containment and cleaning up

Small spill:	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill:	Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with noncombustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed was contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7: Handling and storage

Precautions for safe handling: Avoid direct contact with the substance. Avoid the formation or spread of mists in the air.

Conditions of safe storage, including any incompatibilities: Store in cool, well ventilated area. Keep container tightly close.

Section 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits

None.

Appropriate engineering controls: No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory protection: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Eye protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Section 9: Physical and chemical properties

Appearance

Physical State:	Liquid.
Colour:	Pale blue/white
Odour:	Barely perceptible odour.
Odour threshold:	Not available.
pH:	7-8.
Melting point:	Not available.
Boiling point:	

Appearance continued.

Flash point:	Not applicable.
Burning rate:	Not applicable.
Burning time:	Not applicable.
Evaporation rate:	Not available.
Flammability (solid,gas):	Not available.
Lower and upper explosive (flammable) limits:	Not available.
Vapour pressure:	Not available.
Vapour density:	Not available.
Density:	Not applicable
Relative density:	Not available.
Solubility:	Soluble in the following materials: water.
Solubility in water:	Soluble.
Partition coefficient: n-Octanol/water:	Not available.
Auto-ignition temperature:	Not available.
Decomposition temperature:	Not available.
Viscosity:	Not available.

Section 10: Stability and reactivity

Chemical stability:	The product is stable.
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid:	No specific data.
Incompatible materials:	No specific data.
Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11: Toxicological information

Information on the likely routes of exposure

Inhalation: No known significant effects or critical hazards.
Ingestion: No known significant effects or critical hazards.
Skin contact: No known significant effects or critical hazards.
Eye contact: No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: No specific data.
Ingestion: No specific data.
Skin contact: No specific data.
Eye contact: No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Acute toxicity: Not available.
Irritation/Corrosion: Not available.
Sensitisation: Not available.

Potential chronic health effects

General: No known significant effects or critical hazards.
Inhalation: No known significant effects or critical hazards.
Ingestion: No known significant effects or critical hazards.
Skin contact: No known significant effects or critical hazards.
Eye contact: No known significant effects or critical hazards.
Carcinogenicity: No known significant effects or critical hazards.
Mutagenicity: No known significant effects or critical hazards.
Teratogenicity: No known significant effects or critical hazards.
Developmental effects: No known significant effects or critical hazards.
Fertility effects: No known significant effects or critical hazards.
Chronic toxicity: Not available.
Carcinogenicity: Not available.
Mutagenicity: Not available.
Teratogenicity: Not available.
Reproductive toxicity: Not available.
Specific target organ toxicity: Not available.
Aspiration hazard: Not available.

Numerical measures of toxicity

Acute toxicity estimates: Not available.

Section 12: Ecological information

Ecotoxicity: No known significant effects or critical hazards.
Aquatic and terrestrial toxicity: Not available.
Persistence/degradability: Not available.
Bioaccumulative potential: Not available.

Mobility in soil

Soil/water partition
Coefficient (Koc): Not available.

Other adverse effects: No known significant effects or critical hazards.

Section 13: Disposal considerations

Disposal methods:

Disposal Operations: Dispose of in compliance with local and national regulations. Product should not be discharged directly into drains or sewers or waterways without treatment.
Recovery operations : No information available at this time
Disposal of packaging : May be reused following decontamination. Where practical containers and packaging should be recycled by a licensed contractor

Section 14: Transport information

Regulatory information	UN number	Proper shipping name	Classes	Packaging group	Label	Additional information
New Zealand Class	Not regulated.		-	-		-
ADG Class	Not regulated.		-	-		-
ADR/RID Class	Not regulated.		-	-		-
IATA Class	Not regulated.		-	-		-
IMDG Clas	Not regulated.		-	-		-

Section 15: Regulatory information

New Zealand Inventory of Chemicals (NZIoC): All Components are listed or exempted.

HSNO Approval Number: Not applicable.
HSNO Group Standard: Not applicable.
HSNO Classification: This material is not classified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

Australia Inventory (AICS): Not determined.

Safety, health an Environmental regulations specific for the product: No known specific national and/or regional regulations applicable to this product (including its ingredients).

Section 16: Other information

History

Date of printing:	01.01.2022
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Version:	3

Key to abbreviations:

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
UN = United Nations

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