



Safety Data Sheet: GRT: Activate

GRT Safety Data Sheet
Date /Revised: 29/04/2020
Product: **GRT: Activate**

Version: 2.0

1. Substance/preparation and manufacturer/supplier identification

GRT: Activate is used to super-activate sprayed water to control dust in dynamic situations where water sprays alone are still not effective eg, crushers, conveyor transfer points, ROM bins.

Manufacturer/supplier

PGG Wrightson
57 Waterloo Rd,
Hornby, Christchurch 8042
P.O. Box 292, Christchurch 8140
New Zealand

Phone 0800 10 22 76 or +64 3 477 4520

Website: www.globalroadtechnology.com

Emergency Information

National Poisons Centre (New Zealand): 0800 POISON (0800 764 766)
Poison Information Centre (Australia): 131 126
Global Road Technology Enquiry Number: +61 5667 8550

2. Hazard Identification

Classified as hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001 (HSR002503 - Additives, Process Chemicals and Raw Materials (Subsidiary Hazard) Group Standard 2017).

Classified as non-dangerous goods according to NZS 5433:2012 Transport of Dangerous Goods on Land.

This material is hazardous according to health criteria of Safe Work Australia.



HSNO. Classifications: 6.3A, 8.3A

Hazard Statements:

H315 Causes skin irritation.

H318 Causes serious eye damage.

Prevention Precautionary Statements

P102 Keep out of reach of children.

P103 Read label before use.

P264 Wash hands, face and all exposed skin thoroughly after handling.

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

Response Precautionary Statements

P101 If medical advice is needed, have product container or label at hand.

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

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 or doctor/physician.

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

P362 Take off contaminated clothing and wash before reuse.

3. Composition / Information on Ingredients

| | |
|--|-------------------|
| Anionic Carboxylates | 30-60% |
| Ingredients determined to be Non-Hazardous | Remaining balance |

4. First-Aid Measures

General advice

Remove contaminated clothing.

If inhaled

Remove to fresh air. Remove any contaminated clothing. If breathing is affected, seek medical advice immediately.

On skin contact

Flush contaminated skin with water. Remove contaminated clothing (including footwear). In case of persistent irritation, seek medical advice.

On contact with eyes

Get medical attention immediately. Flush eyes with clean water, holding eyelids apart. Remove contact lenses if present. Keep washing for at least 15 minutes. A physician must treat any burns or irritation.

On ingestion

Wash out mouth with water. Remove dentures if present. If conscious, give small quantities of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention if adverse health effects persist or are severe.

Note to physician

Treat symptomatically.

5. Fire-Fighting Measures

Hazchem Code: Not applicable

Suitable extinguishing media

If material is involved in a fire use water fog (or if unavailable fine water spray), standard foam, dry agent (carbon dioxide, dry chemical powder).

Specific Hazards:

Non-combustible material.

Protective Equipment and precautions for fire fighters

Not combustible, however following evaporation of aqueous component residual material can burn if ignited.

6. Accidental Release Measures

PPE and Emergency Procedures:

Remove or shut off all sources of ignition, if safe to do so. Product on the floor or stairs will be slippery. Wear appropriate personal protective equipment.

Environmental precautions

Avoid allowing run off to contaminate drains and waterways. If this appears to be likely, advise local EPA.

Methods for cleaning up or taking up

SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labeled containers or drums for disposal.

LARGE SPILLS

Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labeled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

7. Handling and Storage

Handling

Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols of the neat product.

Storage

Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.

8. Exposure controls and personal protection

Exposure Standards

None established for this product by Safe Work Australia.

Biological Limits

None allocated as per the National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)".

Engineering Controls

Natural ventilation should be adequate. If used in a confined space, flame-proof forced ventilation may be required.

Personal Protective Equipment (PPE) – SAFETY SHOES, OVERALLS, GLOVES and CHEMICAL GOGGLES.

Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Hygiene measures

Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

9. Physical and Chemical Properties

| | |
|------------------------------------|-----------------------|
| Form: | Clear Liquid |
| Colour: | Slightly Yellow |
| Odour: | Characteristic |
| Solubility: | Miscible with water |
| Specific Gravity (20 C): | 1.0 g/cm ³ |
| Relative Vapour Density (Air = 1): | > 1 |
| Vapour Pressure (20 C): | N Av |
| Flash Point (°C): | > 96 |
| Flammability Limits (%): | N Av |
| Autoignition Temperature (°C): | N Av |
| Melting Point range (°C): | N App |
| Boiling Point/Range (°C): | N Av |
| pH (5% aq. Solution): | 5 – 8 |
| Viscosity (cPs, 20 °C): | 250 – 350 |

Total VOC (g/L): N Av

(Typical Values only – consult specification sheet)

N Av = Not Available, N App = Not Applicable)

10. Stability and Reactivity

Chemical stability: Generally stable. Will react with strong oxidising and reducing agents; will react with strong alkalis and acids.

Conditions to avoid: Heating above ambient temperature, all ignition sources.

Incompatible materials: Alkalis, acids, oxidising and reducing agents.

Hazardous decomposition products: Oxides of carbon, sulphur and sodium.

Hazardous reactions: No known hazardous reactions.

11. Toxicological Information

Health Hazard Summary

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects

Inhalation: Material may be an irritant to mucous membranes and respiratory tract.

Skin contact: Contact with skin will result in irritation.

Ingestion: Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

Eye contact: A severe eye irritant. Corrosive to eyes: contact can cause corneal burns. Contamination of eyes can result in permanent injury.

Acute toxicity

Inhalation: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >20 mg/L.

Skin contact: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg

Ingestion: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg

Corrosion/Irritancy:

Eye: This material has been classified as an 8.3A Hazard (irreversible effects to eyes).

Skin: This material has been classified as a 6.3A Hazard (reversible effects to skin).

Inhalation Sensitisation

This material has been classified as not a respiratory sensitiser.

Skin Sensitisation

This material has been classified as not a skin sensitiser.



Aspiration hazard

This material has been classified as non-hazardous.

Specific target organ toxicity (single exposure): This material has been classified as non-hazardous.

Chronic Toxicity**Mutagenicity**

This material has been classified as non-hazardous.

Carcinogenicity

This material has been classified as non-hazardous.

Reproductive toxicity (including via lactation)

This material has been classified as non-hazardous.

Specific target organ toxicity (repeat exposure)

This material has been classified as non-hazardous.

12. Ecological Information

Avoid contaminating waterways.

Acute aquatic hazard: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100 mg/L

Long-term aquatic hazard:

This material has been classified as non-hazardous. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log K_{ow} < 4.

Ecotoxicity:

No information available.

Persistence and degradability:

No information available.

Bioaccumulative potential:

No information available.

Mobility:

No information available.

13. Disposal Considerations

The generation of waste should be avoided or minimised wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Do not dump into sewers or bodies of water.

Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

14. Transport Information

Road and Rail Transport:

Not classified as dangerous goods by the criteria of the "New Zealand NZS 5433:2012 Transport of Dangerous Goods on Land."

Sea Transport:

IMDG: Not classified as dangerous goods under transport regulations.

Air Transport:

IATA/ICAO: Not classified as dangerous goods under transport regulations.

15. Regulatory Information

HSNO Group Standard: HSR002503 - Additives, Process Chemicals and Raw Materials (Subsidiary Hazard) Group Standard 2017

This material is not subject to the following international agreements:

Montreal Protocol (Ozone depleting substances)

The Stockholm Convention (Persistent Organic Pollutants)

The Rotterdam Convention (Prior Informed Consent)

Basel Convention (Hazardous Waste)

International Convention for the Prevention of Pollution from Ships (MARPOL)

Additional Registration Status:

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

16. Other Information

Additional Information

The effects from exposure to this product depend on several factors including frequency and duration of use, the amount used, control measures adopted, personal protective equipment used and method of use. It is impractical to prepare a data sheet that encompasses all possible situations; therefore, it is anticipated that users will assess the risks and apply control measures as appropriate.

Report Status

This document is based on the best available information on the date of issue and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for this product. While all due care has been taken to include accurate and up-to-date information, no warranty as to accuracy or completeness is provided. As far as lawfully possible, Global Road Technology accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of reliance on the information contained in this Safety Data Sheet.

Abbreviations

AICS – Australian Inventory of Chemical Substances

HSNO. Act- Hazardous Substances and New Organisms Act

IATA - International Air Transport Association

ICAO - International Civil Aviation Organization

IMDG - International Maritime Dangerous Goods Code

LD50 LD stands for Lethal Dose. LD50 is the amount of a substance, given all at once, which causes the death of 50% (one half) of a group of test animals.

PPE – Personal Protective Equipment

TLV – Threshold Limit Values

TWA – Time-Weighted Average

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact Global Road Technology.