



Safety Data Sheet

According to UN GHS

Date of Issue: 30/08/2022 Revision Date 30/08/2022 | Version 5.0

Product name

RAILTECT

1200 WB

(SAT 514 & 248)

SECTION 1: IDENTIFICATION

GHS product identifier : RAILTECT 1200 WB (SAT 514 & 248)

Other means of identification : A single pack waterborne, anti-corrosive primer for metal.

Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Painting of Railway rolling stock. A quick drying primer that can be overcoated with a wide range of finishing coats.

Restrictions of use : Do not use in areas / substrates other than specified for in identified uses / TDS.

Supplier's details : Kansai Plascon (Pty) Ltd
P.O. Box 4010
Luipaardsvlei
1743

Emergency phone : +2711 951 4500 (within hours of operation)
Cell phone : +2783 991 5782 (outside hours of operation)
Facsimile : +2711 955 2841
National Contact Person : Misheck Mundondo

SECTION 2: HAZARDOUS IDENTIFICATION

Classification of the substance or mixture : Not classified as hazardous.



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| | |
|--|---|
| Label elements according to | : UN GHS |
| Hazard pictograms | : None required |
| Signal word | : None required |
| Hazard statements | : No known significant effects or critical hazards. |
| Precautionary statements | |
| General | : P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P103 - Read carefully and follow all instructions. |
| Prevention | : Not applicable |
| Response | : Not applicable |
| Storage | : P404 -Store in a closed container. P410 - Protect from sunlight. |
| Disposal | : P501 - Dispose of contents/containers in accordance with local regulation |
| Other hazards which do not result in classification | : None identified. |

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

| | |
|--------------------------------------|--|
| Substance/mixture | : Mixture |
| Other means of identification | : A single pack waterborne, anti-corrosive primer for metal. |
| CAS number/other identifiers | |
| CAS number | : Not applicable. |

There are no additional 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

- Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation persist.
- Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- Skin contact : Remove contaminated clothing and shoes. Wash contaminated skin with soap or a recognised skin cleaner and plenty of water. Avoid the use of solvents. Get medical attention if symptoms persist. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe.

Most important symptoms/ effects, acute and delayed

Potential acute health effects

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

Over-exposure signs/symptoms

- Eye contact : No data available.
- Inhalation : No data available.
- Skin contact : No data available.
- Ingestion : No data available.

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

- Notes to physician : Treat symptomatically. Contact poison treatment specialist



immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first aiders : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire such as dry powder, CO₂, water spray (fog) or foam. Use fog to cool and control.

Unsuitable extinguishing media : Do not use water jet.

Specific hazards arising from from the chemical

: Flammable liquid and vapour. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous thermal decomposition products

: Decomposition products may include the following materials
carbon dioxide
carbon monoxide
metal oxide/oxides

Special protective actions for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

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

For non-emergency personnel : 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 spilled material. Put on appropriate personal protective equipment.

For emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, or air).

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 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 non combustible, 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 waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.



SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

: Put on appropriate personal protective equipment (see Section 8). Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored, and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless ventilated. Store and use away from heat, sparks, open flame, or any other ignition source. Use explosion-proof electrical (ventilating, lighting, and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges.

Conditions for safe storage, including any incompatibilities

: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool, and well ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. Do not reuse container.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits

: No data available.

Recommended monitoring procedures

: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

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.

Eye/face protection

: Avoid direct contact. Never touch eyes with dirty hands or gloves. 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.

Hand protection

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

Body protection

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a



specialist before handling this product.

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 e.g., in case of insufficient ventilation. 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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Liquid

Colour : Red Oxide(**SAT 514**), Buff(**SAT 248**)

Odour (Threshold) : No data available

Melting point : No data available

Boiling point : No data available

Flammability (gas, liquid, solid) : No data available

Lower and upper explosive (flammable) limits : No data available

Flash point : Non-combustible

Auto-ignition Temperature : No data available

Decomposition Temperature : No data available

pH : No data available

Viscosity : 85 - 90KU(typical)

Solubility : Partially soluble in water.

Partition coefficient, n-octanol/water : No data available

Evaporation rate : No data available



Vapour pressure : No data available

Relative density : 1.35 g/ml (typical)

Vapour density : No data available

Particle characteristics : No data available

SECTION 10: STABILITY AND REACTIVITY

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions: : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No available data.

Incompatible materials : No available data.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity
No data available

Irritation/Corrosion
No data available

Specific target organ toxicity (single exposure)
No available data.

Specific target organ toxicity (repeated exposure)
No available data

Aspiration hazard
No available data.

Information on the likely



routes of exposure : Inhalation, skin, and eye contact.

Potential acute health effects

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

Symptoms related to the physical, chemical, and toxicological characteristics

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

Potential Chronic health effects

General : 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.
Acute toxicity estimates
No data available.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity
No data available.

Persistence and degradability
No data available.

Bioaccumulative potential
No data available.

Mobility in soil
Soil/ water partition
coefficient (KOC) : No data available.

Mobility : No data available.
PBT/vPvB data : P: No data available.
B: No data available.



T: No data available.

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

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions, and any by-products should always comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: TRANSPORT INFORMATION

| | Transportation - road - SANS 10228:2012 | Transportation- Maritime - IMO/ IMDG | Transportation- Air – IATA |
|--|---|--------------------------------------|----------------------------|
| UN number | Not regulated | Not regulated | Not regulated |
| UN proper shipping name | Not Dangerous Goods | Not Dangerous Goods | Not Dangerous Goods |
| Transport hazard class(es) | Not Dangerous Goods | Not Dangerous Goods | Not Dangerous Goods |
| Packing group | Not Dangerous Goods | Not Dangerous Goods | Not Dangerous Goods |
| Marine pollutant | Not Dangerous Goods | Not Dangerous Goods | Not Dangerous Goods |
| Additional information | Not Dangerous Goods | Not Dangerous Goods | Not Dangerous Goods |
| Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code | Not Dangerous Goods | Not Dangerous Goods | Not Dangerous Goods |



SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product

: Relevant information regarding authorization: Occupational Health and Safety Act 1993 Regulation for Hazardous Chemical Substances. Relevant information regarding restrictions: None known. EU regulations: Regulation EC 1272/2008 [EU-GHS/CLP] and EU directives 67/548/EEC or EC 1999/45/EC Other National regulations: None. Standards used for PPE recommendations in Section 8: NIOSH-National Institute for Occupational Health and Safety (USA) EN 166 European standard which concerns the area of eye protection. EN 374-3 European standards for permeation and penetration. EN 141/EN 143 European standards for gas mixtures to remove specified gases and vapours or combined filters for removing solids, and/or liquid particles and specified gases and vapours.

SECTION 16: OTHER INFORMATION

History

Date of review : 30/08/2022

| Date of review | Version | Amendments |
|----------------|---------|-------------------------------------|
| 30/08/2022 | 5.0 | GHS Purple Book version 9 alignment |
| 11/06/2019 | 4.0 | GHS Compliant |
| 31/10/2017 | 3.0 | - |

Date of previous issue : 11/06/2019

Key to abbreviations : ATE = Acute Toxicity Estimate
BCP 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)



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OHSA = Occupational Health and Safety Act, 1993 (South Africa)

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

UN = United Nations

References

: Supplier Safety Data Sheets.

Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Notice to readers:

Employers should use this information only as a supplement to other information gathered by them and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

Legal disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be only used as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.