Safety Data Sheet

According to UN GHS

Date of Issue: 30/09/2022 Revision Date 30/09/2022 | Version 6.0

Product name

STEELTECT 7100 WB

METALCARE GALVANISED IRON CLEANER (GIC 1)

SECTION 1: IDENTIFICATION

GHS product identifier : STEELTECT 7100 WB(GIC 1)

Other means of identification : A non-abrasive acidic type cleaner for galvanised steel surfaces.

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

Identified uses : Removes temporary protective coating from new galvanised steel. Removes surface oxidation from old weathered galvanised steel. Improves adhesion of the primer to galvanised steel.

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)
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Facsimile : +2711 955 2841
National Contact Person : Misheck Mundondo

SECTION 2: HAZARDOUS IDENTIFICATION

Classification of the substance or mixture : SKIN CORROSION/ IRRITATION - Category 1
SERIOUS EYE DAMAGE/ IRRITATION - Category 2

Label elements according to : UN GHS

Hazard pictograms :

Signal word : Danger

Hazard statements : H314 - Causes severe skin burns and eye damage.
H319 - Causes serious eye damage.

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 : P202 - Do not handle until all safety precautions have been read and understood.
P233 - Keep container tightly closed.
P260 - Do not breathe vapor.
P262 - Do not get in eyes, on skin, or on clothing.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink, or smoke when using this product.
P280 - Wear protective gloves, protective clothing, eye protection or face
P283 - Wear fire/flame resistant/retardant clothing.

Response : P301+317 - IF SWALLOWED: Get medical help.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+361+353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304+340 - IF INHALED: Remove person to fresh air and keep Comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to

do – continue rinsing.
P333+317 - If skin irritation or a rash occurs: Get medical help.
P337+317 - If eye irritation persists: Get medical help.
P362 + P364 – Take off contaminated clothing and wash it before reuse.
P370+380 - In case of fire: Evacuate area.

Storage : P410 - Protect from sunlight.
P402+404 - Store in a dry place. Store in a closed container.

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 non-abrasive acidic type cleaner for galvanised steel surfaces.

CAS number/other identifiers

CAS number : Not applicable.

Ingredient name	CAS number	%	UN GHS Classification
2-(2-Butoxyethoxy) ethanol	112-34-5	5.0-10.0	Eye Irrit. 2, H319
Phosphoric acid	7664-38-2	5.0-10.0	Skin Irrit. 1 H314

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 adverse health effects persist or are severe.

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. Get medical attention if adverse health effects persist or are severe.

Most important symptoms/ effects, acute and delayed

Potential acute health effects

Eye contact	: Causes serious eye irritation.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: Causes severe skin burns.
Ingestion	: No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	: Adverse symptoms may include pain or irritation, watering or redness.
Inhalation respiratory	: Adverse symptoms may include nausea or vomiting, headache, irritation, fatigue, or vertigo.
Skin contact	: Adverse symptoms may include irritation or redness.
Ingestion	: No data available. Adverse symptoms may include nausea or vomiting, headaches, drowsiness/fatigue, dizziness/vertigo.

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 : None known.

Specific hazards arising from from the chemical : 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.

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). Water polluting material. May be harmful to the environment if released in large quantities.

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. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest.

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

Ingredient name	Exposure limits
2-(2-Butoxyethoxy) ethanol	**EU IOELV:** TWA 10 ppm; 67.5 mg/m3 STEL 15 ppm; 101.2 mg/m3
Phosphoric acid	**ACGIH (USA):** PEL: Long-term value: 1 mg/m³ REL: Short-term value: 3 mg/m³ Long-term value: 1 mg/m³ TLV: Short-term value: 3 mg/m³ Long-term value: 1 mg/m³

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 : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants 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 worn at all times 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	: Avoid direct contact. 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	: Thin Green
Odour (Threshold)	: No data available
Melting point	: Not applicable
Boiling point	: No data available
Flammability (gas, liquid, solid)	: No data available
Lower and upper explosive (flammable) limits	: No data available
Flash point	: Non-flammable
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
pH	: <2
Viscosity	: 10seconds (typical) Ford Cup No. 4
Solubility	: Soluble in water
Partition coefficient, n-octanol/water	: No data available
Evaporation rate	: No data available
Vapour pressure	: No data available
Relative density	: 1.26g/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

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

Ingredient name	Result	Species	Dose	Exposure
2-(2-Butoxyethoxy) ethanol	LD50 Oral LD50 Oral LD50 Dermal	Mouse Rat Rabbit	2410 mg/kg 3305 mg/kg 2764 mg/kg	- - -
Phosphoric acid	Acute LD50 Oral Acute LC50 Inhalation	Rat Rat	1.25 mg/kg 25.5 mg/kg	- -

Irritation/Corrosion

Ingredient name	Result	Species	Score	Exposure	Observation
2-(2-Butoxyethoxy) ethanol	Skin - Irritation Eye - Irritation	Rabbit Rabbit	- -	1 hour -	Mild irritant Irritant

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 : Causes serious eye irritation.
Inhalation : No known significant effects or critical hazards.
Skin contact : Causes severe skin burns.
Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical, and toxicological characteristics
Eye contact : Adverse symptoms may include pain or irritation, watering or redness.
Inhalation : Adverse symptoms may include nausea or vomiting, headache, respiratory irritation, fatigue, or vertigo.
Skin contact : Adverse symptoms may include irritation or redness.
Ingestion : No data available. Adverse symptoms may include nausea or vomiting, headache, drowsiness/fatigue, dizziness/vertigo.

Potential Chronic health effects
General : Causes severe skin burns and eye damage.
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

Ingredient name	Result	Species	Exposure
2-(2-Butoxyethoxy) ethanol	Acute LC50 1300 mg/l Fish Acute EC50 >100 mg/l Fish Acute ErC50 >100 mg/l Algae Acute EC50 255 mg/l Bacteria	Bluegill sunfish Daphnia magna Green algae Bacteria	96 hours 48 hours 96 hours 96 hours

Persistence and degradability

Ingredient name	Aquatic half-life	Photolysis	Biodegradability
2-(2-Butoxyethoxy) ethanol	-	28 day(s)	Readily

Bioaccumulative potential

Ingredient name	LogPow	BCF	Potential
2-(2-Butoxyethoxy) ethanol	<3	<100	Low

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 at all times 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	3066	3066	3066
UN proper shipping name	Paint	Paint	Paint
Transport hazard class(es)	8	8	8
Packing group	III	III	III
Environmental Hazards	No	No	No
Additional information	No data available	**Emergency schedules (EmS)** F-E, S-E	**Passenger and Cargo Aircraft Ltd QTY:** Quantity limitation: 10 L Packaging instructions: Y344 **Passenger and Cargo Aircraft:** Quantity limitation: 60 L Packaging instructions: 355 **Cargo Aircraft Only:** Quantity limitation: 220 L Packaging instructions: 366
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code	No data available	No data available	No data available

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 : 30/09/2022

Date of review	Version	Amendments
30/09/2022	8.0	Classification Alignment
30/06/2022	7.0	GHS Purple Book version 9 alignment
25/04/2018	6.0	GHS compliant SDS
25/10/2017	5.0	-

Date of previous issue : 30/06/2022

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)
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.

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