

SAFETY DATA SHEET

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Section I

Product Name	RC 293
Product Description	Rust Converter
Manufacturer	Goldcrest International Singapore Pte Ltd 38 Tech Park Crescent Singapore 638098 Tel: (65) 6862 6006 Fax: (65) 6863 3 665 Email: sales@goldcrest.com.sg

HAZARD IDENTIFICATION

Section II

GHS Classification

Skin Corrosion/irritation Category 1

GHS Label Elements



Signal Word: Danger

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Hazard Statements

H314: Causes severe skin burns and eye damage

Precautionary Statements

Prevention

P260 Do not breathe dust/fumes/gas/mist/vapour/spray

P264 Wash hands thoroughly after handling

P280 Wear protective gloves/protective clothing/eye protection/face protection

Response

P301+P330+P331 IF SWALLOWED: Rinse mouth do not induce vomiting

P303+P361+P353 IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water/shower

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

INGREDIENTS

Section III

<u>Materials</u>	<u>%</u>	<u>Cas No.</u>	<u>Symbol</u>	<u>R-Phrases</u>
Citric Acid	10-20%	5949-29-1	S24/25	R36
Tannic Acid	10-20%	1401-55-4		
Isopropanol	10-20%	71-23-8	S7/16/24/26/39	R11-41-67
Water	50-60%			
Surfactant	1-5%			

FIRST AID MEASURES

Section IV

Spills on Eyes

Flush eyes with large amount of water until

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Spills on Skin	irritation subsides. Always consult an ophthalmologist. Wash with plenty of water and then apply a dressing of 1% Sodium Bicarbonate solution.
Ingestion	Do not induce vomiting. Keep at rest. Drink as much water as required. Seek medical assistance immediately.
Inhalation	Using proper respiratory protection, move affected person to a ventilated area and give prompt medical attention.

FIRE FIGHTING MEASURES

Section V

Extinguishing Methods	Water (mist) foam, dry powder, carbon dioxide.
Flash Point	Nil
Flammable limits in air % by vol	Nil
Special Fire Fighting Procedures	Control water used and preventing it from reaching waterways.
Special Protection Gears In The Event of Fire	Use Protective clothing, goggles, overalls, rubber-boots, face mask to protect against splashes.

ACCIDENTAL RELEASE MEASURES

Section VI

Personal Protection Gears In The Event of Spill	Use face mask, rubber boots, acid proof overalls. Avoid contact with spill. Never act without protective clothing.
Environmental Precautions	Prevent product access to rivers and canals. For small spill neutralize with Sodium Bicarbonate or a mixture of soda ash/slaked lime. Shovel residue into plastic containers for temporary storage on site for subsequent disposal. For large spills contain with

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earth/sand. Neutralize any residue as per small spills.

HANDLING AND STORAGE

Section VII

Handling Recommendation	Personal protective gear must prevent any risk of skin or eye contact with the product like face mask, goggles, rubber gloves, boots, acid proof or water proof overalls.
Ventilation	(1) Local exhaust: None should be needed. (2) Mechanical (general) recommended showers, eye washes.
Precautionary Measures	Ensure staff is aware of hazards. Do not smoke, drink or eat in storage areas or during handling.
Storage Temperature	Ambient
Storage Materials	Mild steel or plastic drums

PERSONAL PROTECTION/EXPOSURE CONTROL

Section VIII

Exposure/Contact Effects	Irritant to skin and eyes
Eyes	Goggles or face shield
Hands	Rubber gloves
Breathing	Dust proof mask
Skin	Acid proof overalls
Others	Plastic aprons, rubber boots
Special	Safety showers, eye washes
Breathing	Canister respirators approved for acid mist
Head Protection	Safety helmet or other suitable head protection gear

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PHYSICAL AND CHEMICAL PROPERTIES

Section IX

Appearance @ 25 Deg C	Dark Brown liquid
Color	Brown
Odor	Not applicable
Odor Threshold	Not applicable
Solubility in water	In all proportions
Boiling Point	Not established
Flash Point	Not applicable
Volatiles	Nil
Vapor Density	Not applicable
Ignition Point	Not applicable
M-a (Free acidity)	1.6-2.0
P-a (Total acidity)	5.5-7.0
Decomposition Temperature	No data
Specific Gravity	1.12 +/- 0.02
1% pH	2.5-3.0
Flammability	Non flammable

STABILITY AND REACTIVITY

Section X

Stability	Stable
Hazardous Polymerization	Will not occur
Incompatibilities	React vigorously with bases with evolution of heat. Avoid contact with strong oxidizing/reducing agents. Can react with sulphides, phosphates, cyanides, acetylides, fluorides, silicides and carbides to produce flammable poisonous gases.

TOXICOLOGICAL INFORMATION

Section XI

Toxicity	Non toxic
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Risk from Eye and Skin Contact	Corrosive. Can cause burns to exposed tissues
Inhalation	When handling heated solutions the mist generated can irritate air passage.
Ingestion	Can cause severe intestinal irritation and damage if consumed.

ENVIRONMENTAL INFORMATION

Section XII

Effects on Environment	Due to acidic nature high concentrations in receiving water will injure aquatic life. Low concentration may act as a plant nutrient.
Mobility	Prevent drainage into sewers and water ways.
Aquatic Toxicity	Expected to be dangerous to aquatic life in higher concentrations.
Persistence and degradability	Product is not expected to biodegrade completely

DISPOSAL PROCEDURES

Section XIII

Disposal Method	Neutralize with Sodium Bicarbonate or a mixture of soda ash/slaked lime. Shovel residue into plastic container and dispose as per your company procedure.
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TRANSPORTATION INFORMATION

Section XIV

Not classified as hazardous for transport

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REGULATORY INFORMATION

Section XV

Sale, use transport, storage and disposal of this product is controlled by the environmental pollution control regulations.

R34
S26

Causes burns
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

OTHER INFORMATION

Section XVI

Training/Emergencies
Recommended Use
MSDS Issued On

Instruct staff on product risk.
Metal surface treatment
January 2023

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