



SAFETY DATA SHEET

Oxide neutralizer/converter

COMPANY DETAILS

Processor's Name: RA-4
Address: 49 Dr AD Keet Street
Wavecrest
Jeffrey's Bay
6330
Tel: 076 593 2360
Website: www.ra4.co.za
Emergency Phone Number: 071 115 7327
E-mail Address: ernu@ra4.co.za

1. PRODUCT NAME

Trade Name: RA-4 (Quick Action)
Product Code: RA-4H

2. PRODUCT USE

RA-4H is a mixture of various substances to be used as a rust neutralizer/converter paint primer for purposes of saving maintenance costs and to extend the lifespan of existing metal structure.

3. COMPOSITION OF MIXTURE

Concentrate Form:

Butane alcohol solvent mixture		< 49%
Polyvinyl resin binder		<11%
Formic acid (methanoic)	CAS# 64-18-6	< 9%
Digallic acid	CAS # 1401-55-4	< 6%

Hazardous Substances:

EEC Classification:	NOT HAZARDOUS: follow processor's instructions.
Risk Phrases:	N/A
Safety Phrases:	R36 /37/38
	S2. Keep out of reach of children
	S26 In case of contact with eyes, rinse immediately with plenty of clean water and Seek Medical Advice.

Chronic Effects: Unknown, Not Found.





4. HAZARDS IDENTIFICATION:

Main Hazard:	Corrosive irritating
Flammability:	Non-flammable
Chemical Hazard:	High pH irritant
Biological Hazard:	Some ingredients are not biodegradable
Reproduction Hazard:	Nil
Eye effect:	Eyes: Irritant
Health effect:	Skin: Irritation and burning of skin
Health effect:	Ingestion: Irritation of digestive system
Health effect:	Inhalation: Irritation of mucous membranes of the airways Carcinogenicity.
Mutagenicity:	No ingredients are classified as such.
Neurotoxicity:	No ingredients are classified as such.

5. FIRST AID MEASURES:

Eyes:	Rinse eyes with clean water immediately. Continue washing for at least 15 minutes and obtain medical attention.
Skin:	Remove contaminated clothing immediately and rinse skin with plenty of clean water. Apply skin cream. Seek medical assistance for burns or large area exposure.
Inhalation:	Remove victim to fresh air. Assist breathing if necessary. Obtain medical attention.
Ingestion:	DO NOT INDUCE VOMITING. Drink large quantities of water and seek medical attention immediately.

Overexposure May Aggravate Medical Conditions Generally: See above.

6. FIRE FIGHTING MEASURES:

Flash Point (Test Method):	None (Tag Closed Cup ASTM D 56)
Special Hazards:	Non-combustible. May react with metals to release flammable hydrogen gas. Fire conditions can cause corrosive, poisonous and irritant gases. Fumes can accumulate in confined areas. Wear SCBA respirators and protective clothing when fighting chemical fires.
Protective Clothing:	Wear SCBA respirators and protective clothing when fighting chemical fires.
Extinguishing Media:	Dry sand, carbon dioxide, dry chemical, water spray, alcohol resistant foam.





7. ACCIDENTAL RELEASE MEASURES:

Personal precautions:	Contact with metals can cause the formation of flammable hydrogen gas, which can form explosive mixtures in air. Eliminate all ignition sources. Stay upwind. Avoid low-lying or confined areas. Ventilate area of leak or spill. Breathing apparatus should be used, especially in confined areas.
Small spills:	Neutralise with alkaline material, then absorb with inert material and place in chemical waste container. Wash area well with water.
Large spills:	Stop leak, if possible, without risk. Dyke spill area to prevent entry into sewers or waterway. Absorb with inert material and place in chemical waste container for disposal. Flush area with plenty of water.

8. HANDLING AND STORAGE:

Control Measures in a Working Environment

- Eye Protection: Keep an eyewash easily available for emergency situations.
- Ventilation: Normal, however, ensure fresh air circulation in working area.
- Skin Protection: Wear gloves when working with the RA-4H. Wear rubber boots or industrial shoes and SCBA respirator contain large spillages.
- Respiratory Protection: None required if stored correctly. Wear SCBA respirators to contain spillages.

Control Measures by end user

- Wear goggles and gloves when handling product.
- Suitable material: Plastic containers and caps.
- Do Not Re-Use Empty Containers.
- Avoid Storage in Direct Sunlight.
- Do Not Blend With Other Substances.

9. EXPOSURE CONTROLS/ PERSONAL PROTECTION:

Occupational Exposure Limits:	Nil
Engineering Control Measures:	Not required
Personal Protection:	Wear goggles and gloves when handling product.
Other Protection:	None

10. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Brown/reddish viscous liquid
Boiling Point:	CA 100
Melting Point:	N/A
Flash Point:	N/A
Neurotoxicity:	Unknown
Flammability:	Non-flammable





Auto Flammability: Unknown
Explosive Properties: Unknown
Oxidising Properties: Unknown

11. STABILITY AND REACTIVE

Storage indoors at room temperature should not cause any instability.
Storage conditions: Cool, avoid direct sunlight.

12. TOXICOLOGICAL INFORMATION

Effects of Acute Exposure:

Fumes produced during extreme heat or fire, may produce acute effects, especially irritation of eyes, nose, and throat. Ingestion may cause gastric discomfort.

Effects of Chronic Exposure:

There is no evidence that the product is mutagenic, carcinogenic or dermatogen.

13. ECOLOGICAL INFORMATION

Undiluted product: NOT biodegradable.
DO NOT DISPOSE into the soil, the product may leach into groundwater.

14. DISPOSAL CONSIDERATIONS

Waste disposal in accordance with local regulations. Do Not Re-Use empty containers.

15. TRANSPORT INFORMATION

Non-hazardous for transport purposes.

16. REGULATORY INFORMATION

EEC hazard classification: N/A
Risk Phases: R 36 /37/38
Safety Phases: S2 and S26
National Legislation: N/A

Disclaimer

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