

Material Safety Data Sheet

GMA176

RES-Q-STEEL RED OXIDE

Version Number 8 Revision Date 08/29/12

1. Product and company identification

Hazardous according to criteria of Safework Australia.

This product is not a Dangerous Good for transport according to the ADG code (7th edition).

Product Name	RES-Q-STEEL RED OXIDE
Product Code	GMA176
Intended use	This product is intended for use in the Marine and Protective Coatings markets. Refer Technical Data Sheet. For professional use only.
Application Method	Refer Technical Data Sheet.
Company Name	Akzo Nobel Protective Coatings 115 Hyde Road Yeronga Queensland Australia
Telephone No.	(07) 3892 8888
Fax No.	(07) 3892 4287
24 hour Emergency Telephone No.	1800 680 071
For Poisons Advice telephone	131 126 For Advice to Doctors & Hospitals only

2. Hazard Identification

Poison Schedule: none assigned

HSNO Number: Not Applicable

Further information is given in section 11.



All information concerning this product and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable. Akzo Nobel however makes no warranty as to the accuracy of and/or sufficiency of such information.

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3. Composition / information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations. Users are referred to the Safework Australia website <http://safeworkaustralia.gov.au> for more information.

Ingredient	CAS Number	Concentration Range%	Symbol (s)	Risk phrases (*)
Petroleum Hydrocarbons	Not Available	50 - 100		
Crystalline Silica - Quartz	0014808-60-7	<1	Xn	R48/20

Other ingredients in this product have been determined not to be hazardous

* The full text of the above phrases are shown in section 16.

* Cut of levels for labelling Risk and Safety Phrases are shown in section 15.

4. First aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

Inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Eye Contact

Irrigate copiously with clean fresh water for at least 10 minutes, holding the eyelids apart and seek medical attention.

Skin Contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognised skin cleanser. Do NOT use solvents or thinners.

Ingestion

If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.



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5. Fire-fighting measures

Recommended extinguishing media; alcohol resistant foam, CO₂, powder, water spray.

Do not use - water jet.

Note; Fire will produce dense black smoke. Decomposition products may be hazardous to health. Avoid exposure and use breathing apparatus as appropriate.

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water courses.

6. Accidental release measures

Ventilate the area to avoid breathing vapours. Take the personal protective measures listed in Section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, vermiculite. Place in closed containers outside buildings and dispose of according to relevant State and Federal regulations. (See section 13).

Clean, preferably with a detergent. Do not use solvents.

Do not allow spills to enter drains or watercourses.

If drains, sewers, streams or lakes are contaminated, inform the relevant Environment Protection Agency.

Empty containers may contain product residues, including flammable or explosive vapours. Do not cut, puncture or weld on or near containers. All label warnings must be observed until the containers have been cleaned or reconditioned.

Ventilate the area to avoid breathing vapours. Take the personal protective measures listed in Section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, vermiculite. Place in closed containers outside buildings and dispose of according to relevant State and Federal regulations. (See section 13).

Clean, preferably with a detergent. Do not use solvents.

Do not allow spills to enter drains or watercourses.

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7. Handling and storage

Handling

In Storage

Handle containers carefully to prevent damage and spillage.

In Use

Avoid skin and eye contact. Avoid inhalation of vapours and spray mists. Observe label precautions. Use personal protection as shown in section 8.

Smoking, eating and drinking should be prohibited in all preparation and application areas.

Never use pressure to empty a container; containers are not pressure vessels.

Storage

Store in a well ventilated, dry place away from sources of heat and direct sunlight.

Store on concrete or other impervious floor, preferably with bunding to contain any spillage. Do not stack more than 3 pallets high.

Keep container tightly closed. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in the original container or one of the same material.

Prevent unauthorised access.



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8. Exposure controls and personal protection

Engineering Measures

Exposure Limits

From Safework Australia's Hazardous Substance Information System (HSIS)
 For detailed information refer to the HSIS web site (<http://hsis.ascc.gov.au>).

Material	Short term (15m ave STEL)		Long term (8hr TWA)	
	ppm	mg/M3	ppm	mg/M3
Crystalline Silica - Quartz	-	-	-	0.2

Chemicals classified as hazardous by Safework Australia may have a notification alongside the exposure standard. If such a notification is necessary, it will appear in the far right hand column. The legend is as follows:

- (P) Peak exposure limit
- (R) Suppliers Recommended Limit
- (Sk) There is a risk of absorption through unbroken skin
- (Sen) Sensitiser
- (Cat1) Category 1 - established human carcinogen
- (Cat2) Category 2 - probable human carcinogen
- (Cat3) Category 3 - substances suspected of having carcinogenic potential.

There is no biological limit allocated.

Personal Protection

Respiratory Protection

When concentrations exceed the exposure limits shown above workers must wear appropriate respirators approved in accordance AS/NZS1716. Provision of other controls such as exhaust ventilation should be considered if practical.

Eye Protection

Wear safety eyewear, e.g. safety spectacles, goggles or visors to protect against the splash of liquids. Eyewear should comply with AS/NZS1337.

Wear a full face shield if mixing or pouring operations pose a risk of splashes.

An eye wash station is suggested as a good work place practice.

Hand Protection

Gloves of an appropriate material should be worn during mixing and application. Nitrile or PVC gloves are generally recommended for products containing solvents.

Skin Protection

Overalls which cover the body, arms and legs should be worn. Skin should not be exposed. Barrier creams may help to protect areas which are difficult to cover such as the face and neck. They should however not be applied once exposure has occurred. Petroleum jelly based types such as Vaseline should not be used. All parts of the body should be washed after contact.



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9. Physical and chemical properties

Physical State	Paste
Colour	Red
Flash Point (deg C closed cup)	>210
Autoignition temperature	---
Viscosity (cSt)	N/A
Specific Gravity	0.996
Solvent Weight %	Not Applicable
Vapour Density	Heavier than air.
pH	Not Applicable
Lower Explosive Limit (%v/v air)	Not Applicable
Solubility in Water	Immiscible
R.A.Q. to ventilate to 10% of the LEL (M3/l)	-
Odour	Faint smell

10. Stability and reactivity

Chemical stability

Stable under recommended storage and handling conditions (see section 7).

Conditions to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid possible exothermic reactions.

Incompatible materials

Strong acids, bases, oxidising agents.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide, carbon dioxide, oxides of nitrogen and smoke.

Hazardous reactions

None.

11. Toxicological information

There are no data available on the product itself.



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12. Ecological information

There are no data available on the product itself.

The product should not be allowed to enter drains or water courses.

13. Disposal considerations

Do not allow into drains or water courses. Wastes and empty containers should be disposed of in accordance with State and Federal regulations.

Using information provided in this data sheet advice should be obtained from the local Waste Regulation Authority as to whether special waste regulations apply.

14. Transport information

Transport only in accordance with the following regulations:

Road and Rail

Transport Non Hazardous
(ADG7)

IMDG

reference :

Class/Div.

Subsidiary Class

Proper Shipping Name Non Hazardous

UN No.

MFAG

EMS

Packaging Group

Marine pollutant No

ICAO/IATA

Shipping Name

Class

UN No.

Packaging Group



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15. Regulatory information

The following information is provided in accordance with Safework Australia guidelines for the labelling of Hazardous Substances.

Symbol(s)

Contains;

Risk (R)Phrases;

Safety (S)Phrases;

Precautionary (P)Phrases;



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16. Other information

Contact point:

Industrial Coatings HSE Department - Health and Safety Advisor
+61 (0)3 9313 4555

Marine & Protective Coatings Regulatory Affairs Manager
+61 (0)3 8336 8487

The information on this MSDS is based upon the present state of our knowledge and on current State and Federal laws.

The product should not be used for purposes other than shown in the product data sheet without first obtaining written advice.

It is always the responsibility of the user to take all necessary steps to meet the demands of applicable legislation.

The information in this Material Safety Data Sheet is required according to State and Federal legislation and following Safework Australia's guidance (as amended).

The full text of the Risk (R) phrases appearing in section 3 is:

R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation.



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