



SAFETY DATA SHEET

Omega Rust Protectant

(SIMILAR TO OSHA FORM 174)

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product Identifier

Product name **OMEGA RUST PROTECTANT**
Reference Code MTEQ
Product # 081

1.2 Uses and uses advised against

Use(s) CORROSION INHIBITOR ROF STEEL

1.3 Details of the supplier of the safety data sheet

Supplier name OMEGASONICS
Address 330 E. East St, Suite A, Simi valley, CA 93065
Telephone in US 1-805-853-0876 Toll Free: 1-800-669-8227
Fax in US 1-805-583-0561
Email Not Supplied
Website www.omegasonics.com

AUSTRALIA

Supplier: Bennett Direct ABN: 53 606 345 548
Address: 23-27 Shepherd St.MARRICKVILLE NSW 2204
Telephone: 1300 310 410
Fax: +612 9572 6565
Website: bennettdirect.com.au

1.4 Emergency telephone number(s)

Emergency in US 1-800-535-5053
International 1-352-323-3500

Emergency telephone number:

POISONS INFORMATION CENTRE AUSTRALIA
PH: 131 126

2. HAZARDS IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

Risk phrases

R22 Harmful if swallowed.

Safety phrases

S13 Keep away from food, drink and animal feeding stuffs.

S23 Do not breathe gas/fumes/vapour/spray (where applicable).

S36 Wear suitable protective clothing.

S40 To clean the floor and all objects contaminated by this material use [appropriate material] to be specified by the manufacturer).

S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

Other Hazards

GHS Label: NONE

3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1 Substances / Mixtures

Ingredient	CAS #	% concentrate range	Hazard Ratings (TLV/PEL)
Sodium nitrite	7632-00-0	<4%	None
Water	7732-18-5	Remainder	

4. FIRST AID MEASURES

4.1 Description of first aid measures

Eye If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

Inhalation If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.



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Skin	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Centre or a doctor.
Ingestion	For advice, contact a Poison Information Centre or a doctor. If swallowed, do not induce vomiting. Rinse mouth out with water and give plenty of water to drink.
First aid facilities	Eye wash facilities should be available.

4.2 Most important symptoms and effects, both acute and delayed

No information provided.

4.3 Immediate medical attention and special treatment needed

Absorption of this product into the body will cause methaemoglobinemia, which at high levels will cause cyanosis (i.e. blue-greyish discoloration of the skin), as the oxidized haemoglobin is incapable of transporting oxygen around the body. Treat by oxygen inhalation and rest. Cleanse entire body of contamination, including scalp and nails. If breathing has stopped apply artificial respiration immediately. In the event of cardiac arrest, apply external cardiac massage.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Use an extinguishing agent suitable for the surrounding fire. None required for the product

5.2 Special hazards arising from the substance or mixture

Non-flammable.

5.3 Advice for firefighters

Treat as per requirements for surrounding fires. Evacuate area and contact emergency services. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

5.4 Hazchem code

None allocated

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear Personal Protective Equipment (PPE) as detailed in section 8 of this SDS. Clear the area of all unprotected personnel. Ventilate area where possible. Contact emergency services where appropriate.

6.2 Environmental precautions

Prevent Product from entering drains and waterways.

6.3 Methods of cleaning up

Contain spillage, then cover / absorb spill with non-cumbustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.

6.4 Reference to other sections

See Sections 8 and 13 for exposure controls and disposal.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

7.2 Conditions for safe storage, including any incompatibilities



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Store in a cool, dry, well ventilated area, removed from incompatible substances and foodstuffs. Store between 40 – 110F. Ensure containers are adequately labeled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Keep out or reach of children.

7.3 Specific end use(s)

No information provided

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Exposure standards

No exposure standards have been entered for this product.

Biological limits

No biological limit values have been entered for this product.

8.2 Exposure controls

Engineering Controls

Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended.

Eye/Face

Wear splash-proof goggles or glasses.

Hand

Wear PVC or rubber gloves.

Body

When using large quantities or where heavy contamination is likely, wear rubber boots and a PVC or vinyl apron.

Respiratory

General ventilation to maintain vapor levels below 100 ppm.



9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	CLEAR / OPAQUE LIQUID
Odor	NATUREL AIRFRESH ODOR
Odor Threshold	NOT AVAILABLE
pH	NOT AVAILABLE
Melting Point	<0C
Bolling Point	212F
Flash point	NOT RELEVANT
Evaporation rate	(water=1)
Flammability	NON FLAMMABLE
Upper Explosion Limit	NOT RELEVANT
Lower Explosion Limit	NOT RELEVANT
Vapor Pressure	18 mm Hg @ 20C
Vapor Density	NOT AVAILABLE
Solubility (water)	SULUBALE
Partition Coefficient	NOT AVAILABLE
Autoignition Temperature	NOT AVAILABLE
Decomposition Temperature	NOT AVAILABLE
Viscosity	NOT AVAILABLE
Explosive Properties	NOT AVAILABLE
Oxidising Properties	NOT AVAILABLE



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Specific Gravity 1.04

9.2 Other Information

% Volatiles 80%

10. STABILITY AND REACTIVITY

10.1 Reactivity

Carefully review all information in sections 10.2 to 10.6.

10.2 Chemical stability

Stable under recommended conditions of storage

10.3 Possibility of hazardous reactions

Polymerization will not occur.

10.4 Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources.

10.5 Incompatible materials

May form toxic N-nitrosamines (suspected carcinogens) when mixed with amines and acids. Incompatible with acids (eg phthalic acid), oxidizing agents (e.g. hypochlorites), organics and reducing agents (e.g. disulphides).

10.6 Hazardous decomposition products

None known.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Health hazard Summary	Harmful – irritant. Use safe work practices to avoid eye or skin contact and inhalation.
Eye	Irritant. Contact may result in irritation, pain and redness.
Inhalation	Irritant. Over exposure may result in respiratory irritation, coughing, headache, nausea, vomiting, shortness of breath. An inhalation hazard is not anticipated with normal use.
Skin	Irritant. Contact may result in irritation, redness, rash, and dermatitis.
Ingestion	Harmful. Ingestion may result in gastrointestinal irritation, nausea, vomiting, abdominal pain, diarrhea, headaches, dizziness, and flushed and sweaty skin.
Toxicity data	SODIUM NITRITE (7632-00-0) LC50 (INHALATION): 5.5 MG/CU. M / 4 HOURS (RAT) LD50 (INGESTION): 85 MG/KG (RAT)

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No information provided.

12.2 Persistence and degradability

No information provided.

12.3 Bioaccumulative potential

No information provided.

12.4 Mobility in soil

No information provided.

12.5 Results of PBT and vPvB assessment



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No information provided.

12.6 Other adverse effects

No information provided.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste disposal Add to a large volume of reducing solution. When reduction is complete, add mixture to water and neutralize. Absorb with sand or similar non-combustible material and dispose of to an approved landfill site. Contact the manufacturer / supplier for additional information (if required).

Legislation Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

	DOT
<u>14.1 UN number</u>	None Allocated
<u>14.2 UN proper shipping name</u>	None Allocated
<u>14.3 Transport hazard classes</u>	
DG Class	None Allocated
<u>14.4 Packing group</u>	None Allocated
<u>14.5 Environmental hazard</u>	None Allocated
<u>14.6 Special precautions for user</u>	
Hazchem Code	None Allocated

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture

Poison schedule
Classifications
Inventory listing(s)

15.2 Chemical safety assessment

No information provided.

16. OTHER INFORMATION

Additional information RESPIRATORS: In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

HEALTH EFFECTS FROM EXPOSURE: It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare an SDS which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES: The recommendation for protective equipment contained within this SDS is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.