



SAFETY DATA SHEET
MRC 501 Metal Rescue Concentrate

1. IDENTIFICATION

Product Identifier

Product Name MRC 501 Metal Rescue Rust Remover Concentrate

Other means of identification

SDS # APPAC-005A

Recommended use of the chemical and restrictions on use

Recommended Use Water Based Rust Remover

Details of the supplier of the safety data sheet

Supplier Address

Armor Protective Packaging
1551 North Burkhart Rd
Howell, MI 48855

Emergency Telephone Number

Company Phone Number Phone: 1-517-546-1117 Fax: 1-517-546-6434

2. HAZARDS IDENTIFICATION

Appearance Colorless Liquid

Physical State Liquid

Odor None

Classification

Not a hazardous substance or mixture

Label Element

Not a hazardous substance or element

Hazard Summary

Harmful if swallowed
Repeated or prolonged exposure may cause irritation of eyes and skin

Potential Health Effects

Inhalation: no
Skin: no
Ingestion: yes
Aggravated Medical Condition: None Known

International HQ

1551 North Burkhart Road • Howell, MI 48855 USA Ph. 517-546-1117 • Toll Free 800-365-1117 • Fax 517-546-6434

www.armorvci.com • www.workshophero.com



SAFETY DATA SHEET

MRC 501 Metal Rescue Concentrate

Carcinogenicity:

- IARC** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- ACGIH** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
- OSHA** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
- NTP** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Precautionary Statements - Prevention

Wash hands and any exposed skin after handling
Do not eat or drink when using this product
Avoid breathing fume/mist/vapors/spray
Use in a well-ventilated area

Precautionary Statements - Response

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
IF SWALLOWED: Rinse mouth, drink plenty of water, get medical help

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance: Mixture

Hazardous components

No hazardous ingredients

Unidentified ingredients are considered not hazardous under Federal Hazard Communication Standard (29CFR 1910.1200).

Specific chemical identity of composition has been withheld as a trade secret.

Exact percentage of composition has been withheld as a trade secret.

International HQ

1551 North Burkhart Road • Howell, MI 48855 USA Ph. 517-546-1117 • Toll Free 800-365-1117 • Fax 517-546-6434

www.armorvci.com • www.workshophero.com



SAFETY DATA SHEET

MRC 501 Metal Rescue Concentrate

4. FIRST-AID MEASURES

First Aid Measures

Eye Contact	Do not rub eyes. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
Skin Contact	IF ON SKIN: Wash with plenty of water. If skin irritation develops, call a physician.
Inhalation	IF INHALED: Remove person to fresh air, if symptoms continue get medical attention.
Ingestion	IF SWALLOWED: Rinse mouth with water and drink plenty of water Obtain medical attention

Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
---------------------------	------------------------

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray (fog). Foam. Carbon dioxide (CO₂). Dry chemical.

Further information: Use water spray to cool unopened containers

Protective equipment and precautions for firefighters

In the event of fire, wear self-contained breathing apparatus for fire fighters

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Ensure adequate ventilation.
-----------------------------	------------------------------

Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Clean-Up	Absorb with inert material or sweep up, and then place in suitable container for chemical waste. Rinse area with clean water and dry before permitting traffic.

7. HANDLING AND STORAGE

International HQ

1551 North Burkhart Road • Howell, MI 48855 USA Ph. 517-546-1117 • Toll Free 800-365-1117 • Fax 517-546-6434

www.armorvci.com • www.workshophero.com



SAFETY DATA SHEET

MRC 501 Metal Rescue Concentrate

Precautions for safe handling

Advice on Safe Handling Use only with adequate ventilation.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store away from incompatible materials. Avoid direct sources of heat and protect from freezing. Keep/store only in original container.

Incompatible Materials Strong oxidizing agents. Strong Acids and Strong Bases

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Use safety glasses with side shields.

Skin and Body Protection Wear impervious gloves, rubber or plastic apron.

Respiratory Protection Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Wash hands and any exposed skin after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid		
Appearance	Clear liquid	Odor	None
Color	Colorless	Odor Threshold	Not determined

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	6.0 – 7.0	
Freezing Point	0 C	
Boiling Point/Boiling Range	100 °C / 212 °F	
Flash Point	Not applicable	
Evaporation Rate	1 / water = 1	

International HQ

1551 North Burkhart Road • Howell, MI 48855 USA Ph. 517-546-1117 • Toll Free 800-365-1117 • Fax 517-546-6434

www.armorvci.com • www.workshophero.com



SAFETY DATA SHEET

MRC 501 Metal Rescue Concentrate

Flammability (Solid, Gas)	Liquid - not applicable
Upper Flammability Limits	Not applicable
Lower Flammability Limit	Not applicable
Vapor Pressure	No data available
Vapor Density	No data available
Specific Gravity	1.01 – 1.04
Water Solubility	Soluble in water
Solubility in other solvents	Not determined
Partition Coefficient	Not determined
Auto-ignition Temperature	Not determined
Decomposition Temperature	Not determined
Kinematic Viscosity	Not determined
Dynamic Viscosity	Not determined
Explosive Properties	Not determined
Oxidizing Properties	Not determined

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Conditions to Avoid

Direct sources of heat, keep from freezing.

Incompatible Materials

Strong oxidizing agents, strong acids, and strong bases.

Hazardous Decomposition Products

Carbon oxides, Nitrogen oxides (NOx), Phosphorous oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact Avoid contact with eyes.

Skin Contact Avoid contact with skin.

Inhalation Avoid inhalation of fumes

International HQ

1551 North Burkhart Road • Howell, MI 48855 USA Ph. 517-546-1117 • Toll Free 800-365-1117 • Fax 517-546-6434

www.armorvci.com • www.workshophero.com



SAFETY DATA SHEET

MRC 501 Metal Rescue Concentrate

Ingestion Harmful if swallowed.

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Acute toxicity:	no data available
Skin corrosion/irritation:	no data available
Serious eye damage / eye irritation	no data available
Respiratory or skin sensitization	no data available
Germ cell mutagenicity	no data available
Carcinogenicity	no data available
Reproductive toxicity	no data available
STOT- single exposure	no data available
STOT- repeated exposure	no data available
Aspiration toxicity	no data available

12. ECOLOGICAL INFORMATION

Ecotoxicity: no data available

Persistence/Degradability: no data available

Bioaccumulation: no data available

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

International HQ
1551 North Burkhart Road • Howell, MI 48855 USA Ph. 517-546-1117 • Toll Free 800-365-1117 • Fax 517-546-6434
www.armorvci.com • www.workshophero.com



SAFETY DATA SHEET
MRC 501 Metal Rescue Concentrate

Note Transport in bulk per Annex II of Marpol 73/78 and the IBC Code
Not Applicable for product as supplied

DOT Not regulated

IATA Not regulated

15. REGULATORY INFORMATION

TSCA Status: All components of this material comply with US TSCA requirements

OSHA Hazards: No OSHA Hazards

WHMIS Classification: D2B Toxic material causing other toxic effects

EPCRA - Emergency Planning and Community Right-to-Know Act

SARA 311/312 No SARA Hazards

SARA 302: SARA 302 No chemicals are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313: SARA 313 this material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established By SARA Title III, Section 313.

US State Regulations

Massachusetts Right to Know: No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right to Know: Water 7732-18-5
Trade secret registry 735517-5127P

New Jersey Right to Know: Water 7732-18-5
Trade secret registry 735517-5127P

International HQ

1551 North Burkhart Road • Howell, MI 48855 USA Ph. 517-546-1117 • Toll Free 800-365-1117 • Fax 517-546-6434
www.armorvci.com • www.workshophero.com



SAFETY DATA SHEET
MRC 501 Metal Rescue Concentrate

16. OTHER INFORMATION

NFPA	Health Hazards 1	Flammability 0	Instability 0	Special Hazards Not determined
HMIS	Health Hazards 1	Flammability 0	Physical Hazards 0	Personal Protection Safety Glasses, Gloves

Issue Date: 16-Dec-2014
Revision Date: 25-May-2015
Revision Note: New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

International HQ

1551 North Burkhart Road • Howell, MI 48855 USA Ph. 517-546-1117 • Toll Free 800-365-1117 • Fax 517-546-6434

www.armorvci.com • www.workshophero.com