



## SAFETY DATA SHEET Dry Coat RP

### 1. IDENTIFICATION

**Product Identifier**

**Product Name** Dry Coat RP, Dry Coat ST RP

**Other means of identification**

**SDS #** APPAC-006

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Water based RP/Corrosion inhibiting solution for Ferrous Metals.

**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** Clear amber liquid

**Physical State** Liquid

**Odor** Bland

**Classification**

Skin Irritation	Category 2
Eye irritation	Category 2A

**Hazard Summary:** Irritating to eyes, may cause skin irritation, also harmful by inhalation and if swallowed

**Signal Word**

**Warning**

**Hazard Statements**

Causes skin irritation  
Causes serious eye irritation



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](http://www.armorvci.com) • [www.workshophero.com](http://www.workshophero.com)



## SAFETY DATA SHEET Dry Coat RP

### Potential Health Effects

Inhalation: yes  
Skin: yes  
Ingestion: yes  
Aggravated Medical Condition: None Known

### 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 thoroughly after handling  
Wear eye protection / wear protective gloves  
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  
Call a doctor/physician if symptoms continue  
IF SWALLOWED: Rinse mouth and drink plenty of water, obtain medical attention  
IF ON SKIN: Wash with plenty of soap and water  
IF IN EYES: Rinse cautiously with water for several minutes / remove contact lenses if present and easy to remove / continue rinsing for a total of 15 minutes, seek medical advice.

### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

---

#### 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](http://www.armorvci.com) • [www.workshophero.com](http://www.workshophero.com)



## SAFETY DATA SHEET Dry Coat RP

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture

Chemical Name	CAS No	Weight-%
Di-ethyl amino ethanol	100-37-8	0 - 5
Triethanolamine	102-71-6	0 - 3

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

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST-AID MEASURES

#### First Aid Measures

<b>Eye Contact</b>	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.
<b>Skin Contact</b>	IF ON SKIN: Wash with plenty of soap and water. If skin irritation persists, call a physician.
<b>Inhalation</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call doctor/physician if symptoms continue.
<b>Ingestion</b>	IF SWALLOWED: Rinse mouth with water and drink plenty of water. Obtain medical attention.

#### Most important symptoms and effects

<b>Symptoms</b>	Harmful if inhaled. Harmful if swallowed. Direct contact may cause skin or eye irritation.
-----------------	--

#### Indication of any immediate medical attention and special treatment needed

<b>Notes to Physician</b>	Treat symptomatically.
---------------------------	------------------------

### 5. FIRE-FIGHTING MEASURES

#### Suitable Extinguishing Media

Water spray (fog). Foam. Carbon dioxide (CO<sub>2</sub>). Dry chemical.

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](http://www.armorvci.com) • [www.workshophero.com](http://www.workshophero.com)



## SAFETY DATA SHEET Dry Coat RP

**Further Information** use water spray to cool unopened containers.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

- |                                  |  |
|----------------------------------|--|
| <b>Personal Precautions</b>      | Use personal protective equipment as required / Insure adequate ventilation  |
| <b>Environmental Precautions</b> | Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS. |

**Methods and material for containment and cleaning up**

- |                                |   |
|--------------------------------|---|
| <b>Methods for Containment</b> | Prevent further leakage or spillage if safe to do so.   |
| <b>Methods for Clean-Up</b>    | 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

**Precautions for safe handling**

- |                                |   |
|--------------------------------|---|
| <b>Advice on Safe Handling</b> | Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Use personal protection recommended in Section 8. Avoid breathing vapors or mists. Use in a well-ventilated area. Wash hands and any exposed skin thoroughly after handling. Do not eat or drink when using this product. |
|--------------------------------|---|

**Conditions for safe storage, including any incompatibilities**

- |                               |  |
|-------------------------------|--|
| <b>Storage Conditions</b>     | Store away from incompatible materials. Avoid extreme temperatures. Store indoors in a cool well ventilated area only in original container. |
| <b>Incompatible Materials</b> | Strong oxidizing agents. Acids.  |

---

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](http://www.armorvci.com) • [www.workshophero.com](http://www.workshophero.com)



## SAFETY DATA SHEET Dry Coat RP

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines**

Chemical Name	Value type (form of exposure)	OSHA PEL	NIOSH IDLH
Di-ethyl amino ethanol / 100-37-8	TWA	2 ppm	ACGIH
	TWA	10 ppm 50.000000 mg/m3	NIOSH REL
	TWA	10 ppm 50.000000 mg/m3	OSHA Z – 1
	TWA	10 ppm 50.000000 mg/m3	OSHA PO
Triethanolamine / 102-71-6	TWA	50.000000 mg/m3	ACGIH

**Individual protection measures, such as personal protective equipment**

- Eye/Face Protection**                      Use safety glasses with side shields or chemical splash goggles.
  
- Skin and Body Protection**                Suitable protective clothing. Wear suitable gloves and apron. (butyl, nitrile, PVA are all suitable materials).
  
- 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.  
     Avoid contact with skin, eyes and clothing.  
     Wear suitable gloves, eye/face protection and protective clothing  
     Wash face, hands and any exposed skin thoroughly after handling.  
     Provide adequate ventilation / do not inhale fumes  
     Keep away from food and drink

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid		
<b>Appearance</b>	Clear amber liquid	<b>Odor</b>	Bland
<b>Color</b>	Clear amber	<b>Odor Threshold</b>	Not determined
<b>Property</b>	<u>Values</u>	<u>Remarks • Method</u>	
pH	7.8 – 8.7		



## SAFETY DATA SHEET Dry Coat RP

<b>Melting Point/Freezing Point</b>	Not determined
<b>Boiling Point/Boiling Range</b>	100 °C / 212 °F
<b>Flash Point</b>	Not determined
<b>Evaporation Rate</b>	(Butyl Acetate = 1) less than 1
<b>Flammability (Solid, Gas)</b>	Liquid - not applicable
<b>Upper Flammability Limits</b>	Not determined
<b>Lower Flammability Limit</b>	Not determined
<b>Vapor Pressure</b>	26.6 hPa
<b>Vapor Density</b>	Not determined
<b>Specific Gravity</b>	1.004 – 1.020
<b>Water Solubility</b>	Soluble in water
<b>Solubility in other solvents</b>	Not determined
<b>Partition Coefficient</b>	Not determined
<b>Auto-ignition Temperature</b>	Not determined
<b>Decomposition Temperature</b>	Not determined
<b>Kinematic Viscosity</b>	Not determined
<b>Dynamic Viscosity</b>	Not determined
<b>Explosive Properties</b>	Not determined
<b>Oxidizing Properties</b>	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

**Incompatible Materials:** Strong oxidizing agents, Strong acids, Nitrous acid.

**Hazardous Decomposition Products:** Carbon oxides. Nitrogen oxides (NOx).

### 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

##### Product Information

<b>Eye Contact</b>	Avoid contact with eyes.
<b>Skin Contact</b>	Avoid contact with skin.
<b>Inhalation</b>	Harmful if inhaled.
<b>Ingestion</b>	Harmful if swallowed.

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](http://www.armorvci.com) • [www.workshophero.com](http://www.workshophero.com)



## SAFETY DATA SHEET Dry Coat RP

### Component Information

Chemical Name	Acute Oral LD50	Acute Dermal LD50	Acute Inhalation LC50
Di-ethyl amino ethanol	= 1,300.000000 mg/kg ( Rat )	1,260.000000 mg/kg (Rabbit) 1,000.000000 mg/kg (Guinea Pig)	= 5.000000 mg/kg ( Mouse)
Triethanolamine	4,920.000000 mg/kg ( Rat ) 5,846.000000 mg/kg (Mouse) 2,200.000000 mg/kg (Rabbit)	16,000.000000 mg/kg (Rat) 20,000.000000 mg/kg (Rabbit)	Target Organs: Respiratory Tract, Liver, Blood, Urinary System, Cardio-vascular system
Tolytriazol Sodium Salt	675.000000 mg/kg ( Rat )  640.000000 – 1,980.000000	2,000.000000 mg/kg (Rabbit)	1.750000 mg/l (Rat) Exposure time 3 h

### 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

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

#### Bioaccumulation:

Product: Partition coefficient: n-octanol/water

remarks: no data available

#### Other Adverse Effects

Not determined

#### 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](http://www.armorvci.com) • [www.workshophero.com](http://www.workshophero.com)



## SAFETY DATA SHEET Dry Coat RP

### 13. DISPOSAL CONSIDERATIONS

#### Waste Treatment Methods

<b>Disposal of Wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated Packaging</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.

### 14. TRANSPORT INFORMATION

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

### 15. REGULATORY INFORMATION

<b>TSCA Status:</b>	All components of this material comply with US TSCA requirements	
<b>OSHA Hazards:</b>	Toxic by inhalation, Harmful by ingestion, Harmful by skin absorption	
<b>WHMIS Classification:</b>	D2B Toxic material causing other toxic effects	
<b>EPCRA - Emergency Planning and Community Right-to-Know Act</b>		
<b>SARA 311/312</b>	Acute Health Hazard	
<b>SARA 302:</b>	SARA 302 No chemicals are subject to the reporting requirements of SARA Title III, Section 302.	
<b>SARA 313:</b>	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.	
<b>US State Regulations</b>		
<b>Massachusetts Right to Know:</b>	Di-ethyl amino ethanol Triethanolamine	100-37-8 102-71-6
<b>Pennsylvania Right to Know:</b>	Water Triethanolamine salts of dibasic acids Octanoic acid, triethanolamine salt Di-ethyl amino ethanol Triethanolamine	7732-18-5 68188-87-4 22919-56-8 100-37-8 102-71-6

#### 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](http://www.armorvci.com) • [www.workshophero.com](http://www.workshophero.com)





## SAFETY DATA SHEET Dry Coat RP

**New Jersey Right to Know:**

Water	7732-18-5
Triethanolamine salts of dibasic acids	68188-87-4
Octanoic acid, triethanolamine salt	22919-56-8
Di-ethyl amino ethanol	100-37-8
Triethanolamine	102-71-6
Fatty acids, tallow, compounds with Triethanolamine	61790-67-8



**WARNING:** Cancer – [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### 16. OTHER INFORMATION

**Issue Date:** 16-Dec-2014  
**Revision Date:** 06-Feb-2020  
**Revision Note:** Dry Coat ST addition

#### 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](http://www.armorvci.com) • [www.workshophero.com](http://www.workshophero.com)