

# Material Safety Data Sheet

WHMIS 	Protective Clothing 	TDG Road/Rail
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## SECTION I - PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

Product name: Red Stallion Pressure Wash 100 Effective Date: 5/10/08 Code No.: 9620REDSE8  
 Product use: Consumer products: Pressure Wash  
 WHMIS: WHMIS CLASS D-2B: Material causing other toxic effects (TOXIC).  
 WHMIS CLASS E: Corrosive solid.  
 TDG: Not regulated under TDG (Canada).

**Manufacturer:**

Armco Inc.  
 3700 Weston Road  
 Toronto, ON M9L 2Z4  
 416-746-3700

**Supplier:**

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**EMERGENCY PHONE : CANUTEC (613) 996-6666**

## SECTION II - HAZARDOUS INGREDIENTS

Ingredients	CAS #	Wt%	ACGIH-TLV	LC <sub>50</sub> /LD <sub>50</sub>
1) Nonyl phenol ethoxylate	009016459	5-10	Not available.	ORAL (LD50): Acute: 3000 mg/kg [Rat].
2) Glycol Ether DPM	34590-94-8	1-5	TWA: 100 CEIL: 150 (ppm) TWA: 600 CEIL: 900 (mg/m <sup>3</sup> )	ORAL (LD50): Acute: 5380 mg/kg [Rat]. 5200 mg/kg [Rat]. DERMAL (LD50): Acute: 9510 mg/kg [Rabbit].
3) Sodium metasilicate	006834920	7-13	Not available.	ORAL (LD50): Acute: 1153 mg/kg [Rat]. 770 mg/kg [Mouse]. 1280 mg/kg [Rat].
4) Soda ash	497-19-8	30-50	Not available.	ORAL (LD50): Acute: 5140 mg/kg [Rat.]. DERMAL (LD50): Acute: 4000 mg/kg [Rabbit.].

## SECTION III - PHYSICAL DATA

Boiling point:	Not applicable	Specific Gravity:	Weighted average: Powder
Vapour Pressure:	Not applicable	Vapor Density:	Not applicable
Solubility in Water:	Soluble	Percent Volatile:	Not applicable.
Physical State:	Powder	Evaporation Rate:	Not applicable.
Appearance and Odour:	White.	pH (as supplied):	12-13
	Not available.	Viscosity:	Not available.

## SECTION IV - FIRE AND EXPLOSION DATA

Flammability:	Not combustible
Flash Points:	Not applicable
Flammable Limits:	Not applicable
Hazardous Combustion Products:	These products are carbon oxides (CO, CO <sub>2</sub> ). Some metallic oxides.
Means of Extinction:	Use DRY chemicals, CO <sub>2</sub> , water spray or foam. Use water spray, fog or foam. DO NOT use water jet.
Special Fire Hazards:	Not available.

### SECTION V - REACTIVITY DATA

**Stability:** The product is stable.  
**Incompatibility:** Reactive with oxidizing agents, metals, acids.  
Slightly reactive to reactive with organic materials, alkalis.  
Non-reactive with moisture.  
**Hazardous Decomposition Products:** Not available.

### SECTION VI - TOXICOLOGICAL PROPERTIES

**Routes of Entry** Eye contact. Inhalation. Ingestion.  
**Acute Effects on Humans:** Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (sensitizer, permeator). Corrosive to skin and eyes on contact. Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns.  
**Chronic Effects on Humans:** **CARCINOGENIC EFFECTS** Not available.  
**MUTAGENIC EFFECTS** Not available.  
**TERATOGENIC EFFECTS** Not available.  
**DEVELOPMENTAL TOXICITY** Not available.  
**Synergistic Materials:** Not available.

### SECTION VII - PREVENTIVE MEASURES

**Gloves:** Gloves.  
**Eye Protection:** Face shield.  
**Respiratory Protection:** Dust Mask Be sure to use a OSHA/NIOSH approved mask or equivalent. Wear appropriate respirator when ventilation is inadequate.  
**Other Protective Equipment:** Splash goggles. Dust Mask. Gloves.  
**Engineering Controls:** Provide general exhaust ventilation or other engineering controls to keep the airborne concentrations below their respective threshold limit value.  
**Leak and Spill Procedure:** Consult your local or regional authorities.  
Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. DO NOT touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. **Neutralize the residue with a dilute solution of acetic acid.**  
**Waste Disposal:** According to local authorities or regulations  
**Storage Requirements:** Keep away from heat. Keep away from sources of ignition. Keep container tightly closed and dry. Keep in a cool, well-ventilated place.

### SECTION VIII - FIRST AID

**Eye:** Check for and remove any contact lenses. IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. COLD water may be used. DO NOT use an eye ointment. Seek medical attention.  
**Skin:** If the chemical got onto the clothed portion of the body, remove the contaminated clothes as quickly as possible, protecting your own hands and body. Place the victim under a deluge shower. If the chemical touches the victim's exposed skin, such as the hands: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. COLD water may be used. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.  
**Inhalation:** Allow the victim to rest in a well ventilated area. Seek immediate medical attention.  
**Ingestion:** DO NOT induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Product Name: Red Stallion Pressure Wash 100      Code No.: 9620REDSE8

**SECTION IX - OTHER INFORMATION**

References            Not available.  
Additional remarks:    No additional remark.

Validated by Armco Inc. on 5/10/08

Verified by: Technical Director.

Printed: 5/10/08

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