



MATERIAL SAFETY DATA SHEET

This Material Safety Data Sheet complies with the Canadian Controlled Products Act

****NOTE: THE FOLLOWING INFORMATION PROVIDED IS FOR THE PRODUCT CONCENTRATE ONLY, NOT FOR USE-DILUTIONS****

SECTION 1 – PRODUCT IDENTIFICATION					
PRODUCT IDENTIFIER:		ADHERE			
PRODUCT USE:		IRON AND STEEL PHOSPHATIZER			
SUPPLIER:		<div><div>Velocity Chemicals Ltd. Unit #1, 9515- 190th St., Surrey, B.C. V4N-3S1 Emergency Telephone: (604) 881-4700 Facsimile: (604) 881-4701</div><div>In case of transportation emergency or product spill, contact: In Canada- CANUTEC @ 613-996-6666 (24 hrs.)</div></div>			
SECTION 2 – HAZARDOUS INGREDIENTS					
HAZARDOUS INGREDIENTS	% (W/W)	CAS NUMBER	LD50	LC50	EXPOSURE LIMITS
This product does not contain any ingredients that are controlled in accordance to the Hazardous Product Act.					
SECTION 3 – PHYSICAL DATA					

Physical state: liquid Solubility: soluble Odour and Appearance: clear, slightly yellow and mild odor pH (100%) @ 20°C: 2.5-4.0 Specific Gravity @ 20°C: 1.24 Odour Threshold (ppm): not established	Vapour Density: not determined Vapour Pressure: not determined Evaporation Rate: not determined Boiling Point (°C): not determined Freezing Point (°C): not determined Coefficient of water/oil distribution: Greater than 1
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SECTION 4 – FIRE AND EXPLOSION DATA

Flammability: No, product is non-flammable. If yes, under what condition: Not applicable. Means of Extinction: Dry chemical, alcohol foam, CO ₂ , water spray. The product is not flammable. Use extinguishing media suitable for surrounding fires. Special Fire Fighting Procedures: Wear NIOSH/OSHA approved, self contained breathing apparatus for fire fighting situations. Use water spray to cool all nearby fire exposed surfaces. Explosion Data- Sensitivity to impact: None Sensitivity to static discharge: None	Flash Point (°C) and method: not applicable Upper Flammable limit (% volume): not applicable Lower Flammable limit (% volume): not applicable Autoignition temperature (°C): not applicable Hazardous combustion products: may form carbon oxides and other toxic vapors.
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SECTION 5 – REACTIVITY DATA

Chemical Stability: yes, stable under normal storage conditions

If no, under what conditions:

Incompatibility with other substances: yes

If so, under what conditions: strong alkalis and oxidizers

Reactivity, and under what conditions: none known

Hazardous Decomposition Products: may form carbon oxides upon thermal decomposition

SECTION 6 – TOXICOLOGICAL PROPERTIES

Primary route of entry: skin and eye contact, inhalation

Effects of Acute Exposure to Product:: Product exposure may cause slight skin and eye irritation. Inhaling mist or vapors may cause transient irritation to respiratory system.

Effects of Chronic Exposure to Product:: Prolonged exposure may cause skin dermatitis.

Exposure Limits: see Section 2 under Hazardous Ingredients

Irritancy of Product: may cause slight skin and eye irritation

Sensitization: none known

Reproductive Toxicity: none known

Mutagenicity: none known

Carcinogenicity: none known

Teratogenicity: none known

Synergistic Products: none known

SECTION 7 – PREVENTATIVE MEASURES

Respiratory Protection: Generally not required under normal use. Use a NIOSH/OSHA approved mist/dust respirator if mists are present.

Gloves: butyl or natural rubber

Eye Protection: splash proof safety goggles or glasses

Footwear: no special requirement

Clothing: long sleeve

Other:

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SECTION 7 – PREVENTATIVE MEASURES (Cont.)

Engineering Controls: General ventilation for normal operating conditions or local exhaust for confined areas.

Leak and Spill Procedures: Wear protective equipment. Contain spill. Prevent runoff to drains or sewers. Recover material by pumping into a suitable waste container. Reuse material if possible, or otherwise neutralize with soda ash before disposal. Dispose in accordance with local regulations.

Waste Disposal: Dispose of in accordance with local environmental regulations.

Handling Procedures and Equipment: Use good hygiene practices. Avoid contact with eyes, on skin and clothing. Avoid inhaling mist/vapors. Eye wash station should be available in the immediate work area.

Storage Requirements: Store in a cool, dry place away from incompatibles. Do not mix with any other chemicals. Keep container closed when not in use. Keep from freezing and temperatures below 30°C.

Special Shipping Information:

WHMIS Classification: Not Regulated

TDG Classification: Not Regulated

SECTION 8 – FIRST AID MEASURES

Inhalation: Remove victim to fresh air, apply artificial respiration if necessary. Seek medical help.
Ingestion: Give large amounts of water if conscious. Do not induce vomiting. Get medical help immediately.
Skin Contact: Wash thoroughly with water for 15 minutes. If irritation persist, seek medical attention.
Eye Contact: Flush immediately with water for 15-20 minutes. Seek medical help.

SECTION 9 - OTHER INFORMATION

REVISIONS:	October 14, 2010	SUPERCEDES:	December 14, 2007
PREPARED BY:	Technical Department (Customer Service phone number: 604-881-4700)		
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