

**MATERIAL SAFETY DATA SHEET****SECTION 1 — PRODUCT IDENTIFICATION****Product identifier:** 0092 – Pro-Link Winter Rinse Away**WHMIS Classification:** D2B**Product use:** Cleaning agent, Neutralizer**Product Code Number:** WR600 (69970, 69971)**MSDS Number:** 0092**Supplier name and address:**

Pro-Link Canada Sanitary Supplies Inc.

1411A Carling Avenue, Suite 406,

Ottawa, ON K1Z 1A7

Tel: (613) 722-0798

Manufacturer's name and address:

Refer to Supplier

Emergency Telephone #: CANUTEC (613) 996-6666**SECTION 2 — CHEMICAL COMPOSITION/HAZARDOUS INGREDIENTS**

<u>Ingredients</u>	<u>CAS #</u>	<u>% (weight)</u>	<u>LD₅₀</u> <u>mg/kg</u> <u>oral/rat</u>	<u>LD₅₀</u> <u>mg/kg</u> <u>skin/rabbit</u>	<u>LC₅₀</u> <u>ppm</u> <u>inh/rat</u>
Ethylenediamine-tetraacetic acid, tetrasodium salt	64-02-8	5-10	N/Av	N/Av	N/Av

SECTION 3 — HAZARDS IDENTIFICATION*****POTENTIAL HEALTH EFFECTS*******Routes of entry:** Inhalation, ingestion, skin and eye contact.**Signs and symptoms of short-term (acute) exposure:***Inhalation:* Inhalation of mist or spray may cause irritation. Exposures higher than the recommended limits over long periods of time may cause chronic irritation of the nose, throat and bronchial passages.*Skin contact:* Prolonged or repeated exposure may cause skin irritation. May cause more severe response if confined to skin (for example, under a watch strap), or if skin is scratched or abraded. A single prolonged skin exposure is not expected to cause absorption of harmful amounts.*Eye contact:* Contact can result in pain, redness and watering, with possible corneal damage if not promptly treated. Mists can cause eye irritation*Ingestion:* Single dose oral toxicity is low. No significant hazards expected from swallowing small amounts incidental to normal handling operations. Swallowing larger amounts may cause irritation of the mouth, throat and stomach, possible severe burns to mouth and throat.**Effects of long-term (chronic) exposure:** Prolonged skin contact may cause dermatitis.**Other important hazards:** May promote rusting of soft metals on prolonged contact.**SECTION 4 — FIRST AID MEASURES****Inhalation:** Remove to fresh air. Get medical attention if discomfort persists.**Skin contact:** Immediately flush with lots of water for at least 15 minutes. Remove and machine wash contaminated clothing. Dispose of contaminated leather goods. Get medical attention if pain persists after affected area is washed.**Eye contact:** Flush eyes immediately with large amounts of water for at least 20 minutes, holding lids apart to ensure complete irrigation of the eye. Get immediate medical attention.**Ingestion:** DO NOT INDUCE VOMITING. If conscious, rinse mouth with water, then give large amounts of water or milk. Get immediate medical attention. If vomiting occurs naturally, have victim lean forward to avoid breathing in of vomited material, then rinse mouth with water and have victim drink more fluids.

Note to physician: Eye irrigation may be necessary for a total of 45 minutes to remove as much caustic as possible. Duration of irrigation and treatment is at the discretion of medical personnel. May cause stricture. If lavage is performed, suggest endotracheal and/or esophagosopic control. If burn is present, treat as any thermal burn after decontamination, no specific antidote.

SECTION 5 — FIRE FIGHTING MEASURES

Fire hazards/conditions of flammability: Not flammable. May release flammable hydrogen gas in contact with aluminum.

Flash point (Method): Not applicable.

Lower flammable limit (% by volume): n/ap

Upper flammable limit (% by volume): n/ap

Explosion data: *Sensitivity to mechanical impact:* Not sensitive. *Sensitivity to static discharge:* Not sensitive.

Oxidizing properties: None.

Auto-ignition temperature: Not available

Suitable extinguishing media: Water, dry chemicals and carbon dioxide can be used on fires in which this product is involved.

Special fire-fighting procedures/equipment: Fire-fighters should wear chemical-resistant clothing (for example, chemical splash suit) and positive pressure self-contained breathing apparatus, approved by NIOSH/MSHA.

Hazardous combustion products: High temperatures may release toxic or corrosive gases, such as oxides of sulphur, nitrogen or sodium.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal precautions: Restrict access to area until completion of cleanup. For large spills, use acid suits and acid resistant footwear. For smaller spills, use protective equipment as described in Section 8. Spilled material will be slippery.

Environmental precautions: Avoid discharging spilled material into waterways, such as sewers, streams or lakes.

Spill response/Cleanup: Dike to contain material. Collect as much of the spilled material as possible for recycling or reuse. Absorb the remaining material with sand, vermiculite or other absorbent material. Rinse residue with soapy water, then rinse.

Prohibited materials: Avoid using aluminium or other easily corroded material to handle spills.

SECTION 7 — HANDLING AND STORAGE

Safe handling procedures: Avoid contact with eyes, skin and clothing. Avoid breathing dust or mist. Maintain adequate ventilation. Wash thoroughly after handling, especially around the fingernails. Chemical safety goggles should be worn whenever working near storage tanks or vessels. This product in the presence of aluminum releases hydrogen gas.

Storage requirements: Store in sturdy plastic containers, away from heat. Secondary containment should be provided in storage areas to minimize environmental contamination in the event of a leak, spill or other release.

Special packaging materials: Plastic containers recommended.

SECTION 8 — EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation and engineering controls: General ventilation normally adequate.

Respiratory protection: If mists or spray generated, wear a NIOSH/MSHA approved respirator equipped with dust and mist filters.

Protective gloves: Rubber, butyl rubber or neoprene gloves are recommended if skin contact might occur.

Eye protection: Chemical goggles recommended. Face shield also recommended for handling large amounts.

Other protective equipment: Eye-wash station. Safety shower. Protective equipment should be cleaned thoroughly after each use. Do not touch equipment after use until it has been neutralized.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical form, colour and odour: Clear, orange liquid, with no odour.

Odour threshold: Not applicable

pH: 12.0 – 13.0

Boiling point: Not available
Vapour pressure: Not available.
Coefficient of oil/water distribution: Not available
Specific gravity or relative density (water = 1): 1.05
Volatile organic compounds (VOC's): Not available.

Melting/freezing point: Not available
Solubility in water: Soluble.
Vapour density: Not applicable
Evaporation rate: Not available
Percent Volatile by Weight: Not available

SECTION 10 — REACTIVITY AND STABILITY DATA

Stability and reactivity: Normally stable.
Conditions to avoid: Contact with easily corroded metals..
Materials to avoid: Strong acids, alkalis and oxidizers, metals such as aluminium and soft steel.
Hazardous decomposition products: Thermal decomposition can produce toxic or corrosive gases such as oxides of sulphur, nitrogen or sodium.

SECTION 11 — TOXICOLOGICAL INFORMATION

LD₅₀: See Section 2. **LC₅₀:** See Section 2.
Exposure limits: ACGIH: None established
Carcinogenicity: No ingredient listed by IARC, ACGIH, NTP, and OSHA as carcinogens.
Teratogenicity, mutagenicity, other reproductive effects: None available.
Sensitization to material: Not reported.
Conditions aggravated by exposure: Skin and respiratory conditions may be aggravated by chronic exposure.
Synergistic materials: None known.

SECTION 12 — ECOLOGICAL INFORMATION

Environmental effects: No bioconcentration is expected because of relatively high water solubility. Biodegradation under aerobic static laboratory conditions: below detectable limits. Chemical or physical degradation is expected in the environment and soil. Product is practically non-toxic to fish on an acute basis. LC50 (fathead minnow): greater than 100 mg/L. Acute LC50 (bluegill): 1050 mg/L.

SECTION 13 — WASTE DISPOSAL

Handling for disposal: Reuse if possible. Do not discharge waste material into the environment.
Methods of disposal: Use only licensed waste disposal services. Follow local, provincial or state, and federal regulations.

SECTION 14 — TRANSPORTATION INFORMATION

Shipping description: TDG – Corrosive Liquid, Basic, Organic, N.O.S.,(Tetrasodium EDTA), Class 8, UN3267, PGIII

Please note: This shipping description is of a general nature only. It does not consider package sizes, modes of transport and other specific circumstances. Appropriate regulations should be referenced, and handling for transportation of dangerous goods/hazardous materials should be performed by trained personnel only.

SECTION 15 — REGULATORY INFORMATION

WHMIS information: D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this MSDS contains all the information required by the CPR.

SECTION 16 — OTHER INFORMATION

Prepared by: Pro-Link Canada Sanitary Supplies Inc.

Telephone number: (613) 722-0798

Preparation date: October 25, 2007

References:

1. ACGIH, Threshold Limit Values and Biological Exposure Indices for 2003.
2. International Agency for Research on Cancer Monographs, Supplement 7, 1988.
3. Canadian Centre for Occupational Health and Safety. CHEMINFO database.
4. Material Safety Data Sheets from raw materials suppliers.

n/ap Not applicable

n/av Not available

MT/dj