



“Provider of Superior Environmental Products & Services”

MATERIAL SAFETY DATA SHEET

SECTION I

PRODUCT AND PREPARATION INFORMATION

Trade Name: H₂Out-250®
Synonym: N/A
Chemical Name & Synonyms: N/A

MANUFACTURER

Can-Ross Environmental Services Ltd.
1-2340 Winston Park Drive
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PRODUCT USE

Separates and Removes Water from Fuel

SECTION II

INGREDIENTS LIST

Hazardous Components

(Specific Chemical Identity: Common Name(s)) OSHA PEL ACGIH TLV

- | | | |
|-------------------------------------|----|----|
| 1. Sodium Polyacrylate, Crosslinked | NE | NE |
| 2. Post Treatment (Trade Secret) | NE | NE |

Other Limits

Recommended

Recommended Exposure

Guideline for Respirable Particulate 0.05mg/m³ (For particles <10 µm)

Note: WL 770 normally contains <0.1% of particles 10µm or smaller

SARA Section 313 Reportable Toxic Chemicals: None

NFPA/HMIS: Health -1, Fire -1 Reactivity -0,

Specific Hazard – None

Dot Class: Not regulated



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SECTION III PHYSICAL DATA

Appearance..... White Granular Powder
OdourEssentially odour free
Boiling point Solid
Bulk Density (Apparent – g/cc).....0.5-0.7
Melting Point.....Greater than 390°F
Evaporation rate (Butyl Acetate=1) Less than 1
Vapour pressure (mm Hg.).....LT 10
Vapour density (AIR =1) Nil
Water Solubility.....Insoluble

SECTION IV FIRE OR EXPLOSION HAZARDS

Flash point (Method Used) None
Upper flammable limit..... Not Available
LEL: 0.0325 UEL:NE
Note: WL770 will not combust under normal conditions. However, when heated to 1700-1800°F, the product will then generate a positive exotherm of roughly 5600 BTU/lbs.

Extinguishing Media..... Water, CO₂ and dry chemical extinguishants
Unusual Fire & Explosion Hazards.....Extremely slippery conditions if spilled product comes in contact with water.

SECTION V REACTIVITY DATA

Stability Stable material
Conditions to avoid..... None
Incompatible substances None known
Hazardous decomposition products None known
Hazardous polymerization May not occur

SECTION VI TOXICOLOGICAL PROPERTIES

Route(s) of Entry: Inhalation?: Yes Skin?: No Ingestion?: Yes

Health Hazards (Acute and Chronic) Contact with eyes, skin or



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clothing may cause irritation.

Acute (short term) inhalation of dust may cause mild irritation of upper respiratory tract (nose and throat) and lungs.

Chronic (long term) inhalation exposure to rats for a lifetime (two years) using a sodium polyacrylate that had been micronized to a respirable particle size ($<10\mu\text{m}$) produced non-specific inflammation and chronic lung injury at 0.2 mg/m^2 and 0.08 mg/m^2 . At 0.8 mg/m^2 , tumors were seen in some animals. In the absence of chronic inflammation, tumors are not expected. There were no adverse side effects of any kind at 0.05 mg/m^2 .

Sodium polyacrylate had no effect in mutagenicity tests.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

Signs and Symptoms of Exposure:

Reddening, drying of affected area with possible itching, burning or other discomfort. Irritation of the upper respiratory tract.

Medical Conditions Generally Aggravated by Exposure:

Existing respiratory and allergic conditions.

SECTION VII

PREVENTIVE MEASURES

Respiratory Protection: Where dusty conditions are created, use a suitable, nuisance-type mask.

Ventilation: Local Exhaust – Ensure removal of airborne particles
Mechanical (General) - Recommended
Other – Not Required

Protective Gloves – Recommended
Eye Protection – Safety Goggles
Other Protective Clothing or Equipment – None
Work/Hygienic Practices – Wash thoroughly after handling.



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SECTION VIII

FIRST AID MEASURES

Flush Eyes with large quantity of water.
Wash skin with soap and water.
If inhaled, move to fresh air.
Consult physician regarding any continued discomfort.

Spill and leak procedures:

If a sock should become torn open, sweep up and discard. Used sorbents should be treated with the same respect as the products they have absorbed.

Avoid generating airborne dust. Avoid contact with water, as extremely slippery conditions will result.

Residuals are to be flushed thoroughly with water to the drain for normal wastewater treatment.

Waste Disposal Method:

Dispose of in accordance with local, federal and provincial regulations. Non-hazardous waste material suitable for approved solid waste landfill.

Pre-Cautions to be taken in Handling and Storing:

Handle as an eye irritant. Store in a cool, dry place. Do not ingest. Avoid breathing powder. Avoid skin and eye contact.

Other Precautions:

Dusty conditions may irritate eyes and respiratory system. Slippery when wet.

DISCLAIMER

Can-Ross believes the above information to be reliable. However, it is provided solely for the customer’s consideration, investigation, and verification. Most of the information originates from suppliers of components and Can-Ross specifically disclaims any and all warranties expressed or implied regarding the accuracy and completeness of such information.

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