

WIM RNRB Rinse Additive

HEALTH 1 FIRE 0 REACTIVITY 0

Section I General Information

Proprietary Information

Trade Name: WIM RNRB Rinse Additive
Chemical Family: Rinse Water Additive
Manufacturer: WIM Inc.
Date Revised: June 2007
Prepared by: D. W. Irwin
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Section II Hazardous Ingredients

The composition of this mixture is proprietary. In the event of a medical emergency, compositional information will be provided to a physician. There is no SARA Title III 313 chemical in the formulation.

Chemical	CAS#	Percent by Weight
Hydrogen Citrate	77-92-9	< 25%

Toxicological Data ORAL (LD50): ACUTE: 5040 mg/kg [Mouse]: 3000mg/kg [Rat]

Section III Physical Data

Boiling Point: 100-103 C
Sp G. 1.09
Vapor pressure (mmHg) NA 62.4
% Volatile:
Evaporation Rate: NA
Vapor density (air=1): NA
Solubility (in water): Yes
pH: 2.0
Viscosity: ND
Appearance and Odor: dark brown, musty odor

Section IV Fire and Explosion

Flash point (method): Not established Flammable limits LeI N/A/A UE N/A
Auto Ignition Temperature: NA
Extinguishing media: Water
Special Fire Fighting Procedures: Wear self contained breathing apparatus with full face piece and protective clothing when fighting fire.
Unusual Fire and Explosion Hazards: None known
NFPA Hazard Codes: Health 1 Fire 0 Reactivity 0

Proprietary Information

Section V Health

Potential Acute Health Effects:

Hazardous in case of eye contact (irritant), of inhalation (lung irritant). Slightly hazardous in case of skin contact (irritant, sensitizer), of ingestion. The amount of tissue damage depends on length of contact. Eye contact can result in corneal damage or blindness. Skin contact can produce inflammation and blistering. Severe over-exposure can produce lung damage, choking, unconsciousness or death.

Potential Chronic Health Effects:

Slightly hazardous in case of skin contact (sensitizer).

Carcinogenic Effects: Not available.

Mutagenic Effects: Not available.

Teratogenic Effects: Not available.

Developmental Toxicity: Not available.

The substance may be toxic to teeth.

Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure of the eyes to a low level of dust can produce eye irritation. Repeated skin exposure can produce local skin destruction, or dermatitis. Repeated inhalation of dust can produce varying degree of respiratory irritation

Emergency and first Aid Procedures:

- 1. Eye Contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.
- 2. Skin Contact:** In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
- 3. Serious Skin Contact:** Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.
- 4. Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
- 5. Serious Inhalation:** Not available
- 6. Ingestion:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.
- 7. Serious Ingestion:** Not available.

Section VI Reactivity Data

Stability: Stable.

Incompatibility: Materials to avoid: None known

Hazardous Polymerization: Will not occur

Hazardous Decomposition Products: None known

Proprietary Information

Section VII Control Measures

Respiratory Protection: (Type) Use NIOSH approved equipment when conditions generate vapors or mists. Appropriate respirator may be a full face piece or a half mask air purifying cartridge respirator.

Ventilation: local to minimize emissions and maintain below limits.

Other: Protective gloves Neoprene rubber

Eye Protection: Splash goggles or face shield. Do not wear contact lenses

Special Clothing Or Equipment: Protective clothing to prevent skin contact.

Section VIII Safe Handling Measures

Precautions to be taken in handling: Store in a cool dark area. Keep containers closed.

Work Hygiene Practices: Showers and eye wash should be available where chemicals are used. Wash thoroughly before eating, smoking or using toilet facilities.

Exposure Limits: No exposure guidelines have been established. ACGIH, NIOSH and OSHA have not developed exposure limits for this product.

Accidental Spills into Unauthorized Chemical Solutions:

It is impossible to foresee the multitude of possible chemical combinations which could result through misuse of these additives. When these products are not used as intended, the bath to which these chemicals have been added should be considered contaminated, and disposed and treated as a toxic waste, regardless of how innocent the combination may appear to the user.

SAFETY NOTE: WIM Inc. requires that safety related clothing and protective equipment be worn and used while handling this product to minimize any accident that may occur while the product is being used. These products are used in and around chemical vats containing corrosive and hot liquids, overhead cranes, moving trucks and other hazardous stationary and moving equipment. **THUS CARE MUST BE TAKEN AT ALL TIMES TO OBSERVE ALL RELATED SAFETY MEASURES AGAINST ALL HAZARDS, EVEN THOUGH THESE PRODUCTS MAY APPEAR TO THE USER TO HAVE LIMITED OR NO HAZARDS!**

Section IX Federal Regulations

Environmental Information: Eliminate sources of ignition. Prevent any additional discharge of material. Keep all but clean-up crew away.

Spill Response: Wear protective acid resistant slicker suit. If the spill is small a full face piece with cartridge for alkaline gases may be sufficient. Absorb liquid in inert absorbent material. Collect and store in DOT approved waste container.

Large Spills: Pump into plastic barrels. Absorb remainder with absorbent material. Keep neutralized material out of sewers, storm drains, surface water or oil.

Recommended disposal: Dispose in accordance with local, state and federal regulations.

DOT PROPER SHIPPING NAME: Cleaning Compound NOI