

SAFETY DATA SHEET

Lloyds Laboratories Inc.

Enviro Rust – Part #77701, 77720

1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND OF THE COMPANY

Identification of Preparation: Enviro Rust
Date of Safety Data Sheet: March 22, 2017
Use of Preparation: Rust remover.
Company Identification: Lloyds Laboratories Inc.
613 Neal Drive,
Peterborough,
Ontario. K9J 6X7
Office: 705-876-9997

Company Telephone Number: 1 800 361-6766.

24 Hour Telephone Number: CANUTEC 613-996-6666 or *666 for cell phone.

2. HAZARD IDENTIFICATION

Acute Tox. 4 (Oral) H302.
Eye Dam. 2 H318.
STOT Not established.

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS):



Signal Word (GHS): Warning.

Hazard Statements (GHS):

H302 - Harmful if swallowed.
H319- Causes serious eye irritation.
H335 - May cause respiratory irritation.

Precautionary Statements (GHS):

P260 - Do not breathe mist, spray, vapours.
P264 - Wash hands, forearms, and exposed areas thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear face protection, protective clothing, protective gloves, eye protection.
P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.

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3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description: Chemical blend.

Ingredient	CAS #	% by Wt	Classification
Urea Phosphate	4861-19-2	1-5	Acute Tox. 4 (Oral),H302 Eye damage 2 A,H319
Alcohol Ethoxylate	68991-48-0	1-5	Eye damage 2 A,H319

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If symptoms persist consult physician.
Eye Contact: Remove contacts. Flush with water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
Skin Contact: Thoroughly wash exposed skin with soap and water. Remove any contaminated clothing and wash before reuse.
Ingestion: Wash out mouth with water. Drink plenty of water. Do not induce vomiting unless directed by medical personnel. Never give anything to an unconscious person. Get medical aid.
Notes to Physician: Treatment based on judgment of attending physician.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Any standard extinguishing media (alcohol foam, water spray or fog, CO2 dry chemical, etc.).
Unsuitable extinguishing media: None known.
Special exposure hazards:
Special safety equipment: Self-contained positive pressure breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe vapour or mist.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Stop leak if safe to do so. Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely.

Reference to Other Sections: See Heading 8. Exposure controls and personal protection.

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7. HANDLING AND STORAGE

Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Avoid splashes or spray in enclosed areas.

Information about fire - and explosion protection:

Keep respiratory protective device available.

No special measures required.

Conditions for safe storage, including any incompatibilities**· Storage:****· Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Protect from humidity and water.

Unsuitable material for receptacle: steel.

Unsuitable material for receptacle: aluminium.

Avoid storage near extreme heat, ignition sources or open flame.

· Information about storage in one common storage facility:

Do not store together with alkaline products or strong acids.

Store away from oxidizing agents.

Store away from foodstuffs.

· Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Store receptacle in a well ventilated area.

Keep container tightly sealed.

· **Specific end use(s):** No further relevant information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection: Use local exhaust or dilution ventilation.

Hand protection: Chemical resistant gloves.

Eye protection: Safety goggles or full face shield.

Skin protection: Use body-covering impervious clothing.

Working hygiene: Take usual precautions when handling. Workers should wash hands before eating, drinking or smoking.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Orange liquid.	Vapour Density (Air=1):	No data available.
Odour:	Typical.	Specific Density:	No data available.
Odour Threshold:	No data available.	Solubility in Water:	Soluble.
PH:	4.0	Log Pow (calculated):	Not established.
Melting Point:	Estimated 0 °C.	Autoignition Temperature:	No data available.
Boiling Point:	100 °C.	Decomposition Temperature:	No data available.
Flash Point:	No data available.	Viscosity:	No data available.
Flammable Limits in Air:	No data available.	Percent Volatile by Volume:	No data available.

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10. STABILITY AND REACTIVITY

Reactivity Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications. Hydrogen gas may be released upon contact with certain metals, especially aluminum and zinc. Heating above 110C results in an exothermic decomposition with rapid release of CO₂ gas.

Possibility of hazardous reactions

Reacts with alkali and metals.

Reacts with amines.

Reacts with oxidizing agents.

Corrodes copper and brass.

Corrodes aluminium.

Conditions to avoid Store away from oxidizing agents.

Incompatible materials:

Warning! Do not use together with other products. Avoid contact with oxidizers. This material may be extremely hazardous in contact with chlorates or nitrates. This material is acidic. Contact with hypochlorites (e.g. chlorine bleach, sulfides, or cyanides) will liberate toxic gases. Contact with alkaline materials (e.g. aqua ammonia) will generate heat.

Hazardous decomposition products: Thermal decomposition may yield, but not limited to oxides of carbon and nitrogen. Hydrogen gas may be released upon contact with certain metals.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:

LD 50 Calculated basis oral/rat 2,000 mg/Kg.

Primary irritant effect:

On the skin: Caustic effect on mucous membranes.

On the eye: Strong caustic effect.

Sensitization: No sensitizing effects known.

Additional toxicological information: No data available.

12. ECOLOGICAL INFORMATION

Toxicity:

Not classified.

Persistence and Degradability Not available.

Bioaccumulative Potential

Not available.

Mobility in Soil

Not available.

Other Adverse Effects

Other Information:

Avoid release to the environment.

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Urea and organic acid are known to be biodegradable.

13. DISPOSAL

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

Ecology – Waste Materials: Avoid release to the environment.

14. TRANSPORTATION INFORMATION

Canadian T.D.G.:

Not regulated.

US DOT:

Not regulated.

15. REGULATION

Occupational Health & Safety Regulations:

WHMIS Classification: Class D - Division 2B.



OSHA & WHMIS: MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) and Canadian WHMIS regulations (Controlled)

California Prop. 65

The following components of this product are substances, or belong to classes of substances, known to the state of California to cause cancer and/or reproductive toxicity: **Chemical Name: none.**

US State Regulations

Neither this product nor its chemical components appear on any US state lists.

16. OTHER INFORMATION

Prepared By: Technical Department

Issuing Date: March 10, 2017

Disclaimer:

The manufacturer warrants that this product conforms to its standard specification when used according to direction. To the best of our knowledge the information contained herein is accurate. However we do not assume accuracy or completeness of the information contained herein.

Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

End of Safety Data Sheet

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