

# Material Safety Data Sheet

## R-51-L Liquid Rust Preventative

Date prepared: November 06, 2007

Date revised:

### 1. Identification of the Substance/Preparation and the Company

Substance or preparation trade name: **R- 51 L, Liquid Rust Preventative**

Company Name & address: Mechanical Finishing, Inc.  
6350 Este Avenue.  
Cincinnati, Ohio 45232

Telephone: (513)-641-5419

Emergency telephone number: (888)-933-3287

### 2. Composition

Substance	% Wt	CAS Number	OSHA PEL*	EINECS
Nitrous acid	<20	7632-00-0	Not established	231-555-9

\*OSHA Permissible exposure limit

### 3. Hazards Identification

Potential Health Effects: None.

Eyes: Direct contact may causes eye irritation and redness.

Skin: Prolonged contact cause local redness of the skin, causes irritation and mild discomfort.

Inhalation: Causes irritation to the respiratory tract. Exposure of vapor or mist by inhalation is minimal under normal handling conditions. Caution should be taken to prevent misting of this product. When tested in accordance with the provisions of the Federal Hazardous Substance Act, a stronger than recommended dilution of this product is classified as nontoxic on inhalation.

Ingestion: Can irritate the mouth, esophagus, stomach etc. Excessive amounts effect the blood and blood vessels.

Conditions aggravated by exposure:None known.

Carcinogen: None of the components of the product is listed as a carcinogen.

Chronic Health Effects: None.

### 4. First aid measures

Skin contact: Wash skin with plenty of water and soap. Remove contaminated clothing and launder before reuse. If irritation or redness develops seek medical attention

Eye contact: Immediately flush eyes with water for 15 minutes. Get medical attention if irritation develops.

Ingestion: Give several glasses of water. Get medical attention

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Inhalation: Airborne mist of this product is not expected to cause adverse effects to the user.

### 5. Fire fighting measures

Flashpoint: NA  
Suitable extinguishing media: Water, CO<sub>2</sub>  
Special hazards in fire: NA.

HMIS Rating: Health-1; Flammability – 0; Reactivity – 0; Personal protection-See Section 8.

### 6. Accidental release measures

If product leaks or spills: Contain spill and scoop up as much as possible wash into sanitary sewer or dry the area with adsorbents.

Dispose of in accordance with all local, state and Federal regulations.

### 7. Handling and storage

Handling: Use special drum pickup attachments while lifting by forklift trucks. Do not drop drums. Wear eye protection.

Storage: Store containers tightly closed and in an upright position at ambient room temperature between 45 degrees F and 100 degree F. DO NOT ALLOW PRODUCT TO FREEZE.

### 8. Exposure Controls

Personal protection equipment: Use protective clothing impervious to this material. When handling the concentrated product.

Eye protection: Wear safety glasses or chemical goggles, if splashing, spraying or under misting conditions

Hand protection: Use impervious gloves while handling the concentrated product.

Hygiene measures: Always wash hands and face with soap and water before eating, drinking or smoking.

### 9. Physical and chemical properties

Appearance: Green liquid  
Odor: Bland Odor  
pH: 9.0  
Boiling / Melting point: >210°F

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Vapor pressure:	NA
Specific Gravity (H <sub>2</sub> O =1.0):	1.16
Solubility in water:	100%

### 10. Stability and reactivity

Conditions to avoid: Do not freeze or mix with strong oxidizing agents

Hazardous decomposition products:None reasonably foreseeable

### 11. Toxicological information

No data available.

### 12. Ecological information

No information available.

### 13 Disposal Considerations

This product does not meet the criteria of hazardous waste if discarded in its purchased form. Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. If this product becomes a waste it is the user's responsibility to dispose of the material in accordance with local, state and federal regulations.

### 14. Transport information

#### DOT (Department of Transportation):

This product is not regulated as a DOT hazardous material

### 15. Regulatory information

#### TSCA (Toxic Substance Control Act)

Components used in the product are listed on the TSCA inventory.

### 16. Other Information

This product information contained herein is believed to be accurate as of the date of the MSDS, and is provided with out warranty, expressed or implied, as to the results of use of this information or the product to which it related. Recipient assumes all responsibility for the use of this information and the use (along or in combination with any other product), storage, or disposal of the product, including any resultant personal injury or property damage.