

Handy Flo 530 and DF 530

Safety Data Sheet

1. Product and Company Identification

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Manufacturer

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Lucas-Milhaupt, Inc.  
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Cudahy, WI 53110 USA  
Telephone: 414-769-6000  
www.lucasmilhaupt.com

Emergency Phone Number

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Chemtrec: 800-424-9300

SDS Number: 226

Product Code: 83-530 (Handy Flo 530)

Product Use(s): Binder for brazing and other metallurgical processes

2. Hazards Identification

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Hazard Classification(s): none applicable

Label Symbol(s): none

Label Signal Word(s): none

Label Hazard Statement(s): none

Label Precautionary Statement(s)

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The acute toxicities of 100% of the product's ingredients are unknown.

3. Composition/Information on Ingredients

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Ingredient CAS Number % Impurities  
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High molecular weight hydrocarbon See note See note None known

Note: The chemical identity(ies) of the component(s) of this product and the percentages of composition are being withheld as a Trade Secret. Information contained in this SDS accurately reflects the properties, hazard, and effects of any chemical(s) in the product. The identity(ies) and percentages of composition may be determined in accordance with 29CFR 1910.1200(i).

4. First Aid Measures

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Eyes

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Flush affected areas with water for at least 15 minutes. Seek medical assistance if necessary.

Skin

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Remove contaminated clothing. Wash affected area with large quantities of water for at least five minutes. Seek medical attention if necessary. Launder or dry-clean clothing before reuse.

#### Ingestion

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Do not induce vomiting unless so instructed by medical personnel. Seek immediate medical assistance. Do not attempt to give anything by mouth to an unconscious or convulsive person.

#### Inhalation

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If signs and symptoms of toxicity are observed, remove subject from area, administer oxygen, and seek medical attention. Keep the subject warm and at rest. Perform artificial respiration if breathing has stopped.

#### Note to Physician or Poison Control Center

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No components are acutely toxic by ingestion, nor are any known to be absorbed through the skin. Prolonged skin contact may cause irritation.

### 5. Fire Fighting Measures

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#### Fire and Explosion Hazards

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This product is combustible. If it is present in a fire or explosion, potential decomposition byproducts may include carbon monoxide, smoke, and irritant combustion byproducts.

#### Extinguishing Media

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Dry chemical, foam, or carbon dioxide. Do not use water.

#### Fire Fighting Instructions

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If fighting a fire in which this product is present, wear a self-contained breathing apparatus with full-facepiece operated in pressure-demand or other positive pressure mode.

### 6. Accidental Release Measures

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#### Methods and Materials

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Isolate spilled product and transfer to impervious containers.

#### Personal Precautions

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Avoid contact with skin, eyes, and mucous membranes. Wear appropriate protective equipment (e.g., gloves, chemical goggles) during cleanup.

#### Environmental Precautions

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Prevent spills from entering sewers or contaminating soil.

### 7. Handling and Storage

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#### Handling Precautions

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Avoid contact with eyes, skin, and clothing, using protective equipment as necessary.

## Work and Hygiene Practices

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To prevent ingestion following use of the product, wash hands and face before eating, drinking, applying cosmetics, or using tobacco. Remove contaminated clothing or protective equipment before entering eating/drinking areas.

## Storage Precautions

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Store in a cool place away from incompatible materials (see Section #10).

## 8. Exposure Controls and Personal Protection

### ----- Ingredients - Exposure Limits

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High molecular weight hydrocarbon

No ACGIH TLV(s)

No OSHA PEL(s)

### Ingredients - Biological Limits

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High molecular weight hydrocarbon

No ACGIH BEI(s) or other biological limit(s)

## Engineering Controls

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Use dilution or local exhaust ventilation adequate to maintain concentrations of all components and their byproducts to within their applicable standards.

## Eye/Face Protection

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Wear eye protection adequate to prevent eye contact with the product and eye injury if the product is used with a flame. Plastic-frame spectacles with side shields and filter lenses (shade #3/#4) are recommended.

## Skin Protection

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Wear appropriate protective gloves and clothing to prevent skin injuries if the product is used with a flame and/or for prolonged contact with the product. Avoid flammable fabrics.

## Respiratory Protection

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If an exposure level to a component(s) exceeds an applicable standard, use a NIOSH-approved respirator having a configuration (facepiece, filter media, assigned protection factor, etc.) effective for the concentration of the component(s) generated. For guidance on selection and use of respirators, consult American National Standard Z88.2 (ANSI, New York, NY 10036, USA).

## 9. Physical and Chemical Properties

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Appearance: thick gel

Odor: none

Odor threshold: not applicable

pH of solution: not applicable

Melting point: not applicable

Freezing point: not determined

Boiling point/boiling range: not determined

Flash Point: >390F./199C.

Evaporation Rate: not determined

Flammability Class: not applicable

Lower Explosive Limit: not determined

Upper Explosive Limit: not determined  
Autoignition Point: not determined  
Vapor pressure: approx. not determined  
Vapor density: not determined  
Relative density (H2O): approx. 0.85  
Solubility (H2O): insoluble  
Oil-water partition coefficient: not determined  
Decomposition temperature: not determined  
Viscosity: not determined

#### 10. Stability and Reactivity

Reactivity: none reasonably foreseeable  
Stability: stable  
Hazardous Polymerization: will not occur  
Risk of Dangerous Reactions: some components of the product may decompose at very high temperatures.

#### Incompatible Materials

Strong oxidizing agents.

#### Hazardous Decomposition Products

Carbon monoxide, smoke, and irritant decomposition byproducts.

#### 11. Toxicological Information

This product has not been tested for toxicology by the manufacturer.

#### Ingredients - Toxicological Data

High molecular weight hydrocarbon

LD50: No data available

LC50: No data available

#### Primary Routes(s) of Entry

Ingestion; inhalation.

#### Eye Hazards

Eye contact with this product may cause irritation.

#### Skin Hazards

Prolonged skin contact with this product may cause irritation or dermatitis.

#### Ingestion Hazards

Ingestion of this product may cause nausea, vomiting, and gastrointestinal irritation.

#### Inhalation Hazards

Inhalation of toxicologically-significant quantities of the components is unlikely when the product is used in accordance with instructions and specified protective measures (see Section #8).

#### Symptoms Related to Overexposure

Irritation to the nose, throat, and respiratory tract.

## Delayed Effects from Long Term Overexposure

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None known.

## Carcinogenicity

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The product contains no chemicals classified as potential or demonstrated carcinogens by IARC, NTP, or OSHA.

## Germ Cell Mutagenicity

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The product contains no chemicals determined to be germ cell mutagens.

## Reproductive Effects

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The product contains no components determined to be damaging to fertility or the unborn child.

## Acute Toxicity Estimates

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LD50 (oral): no data available  
LD50 (dermal): no data available  
LC50: no data available

Interactive Effects of Components: no data available

## 12. Ecological Information

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No ecological data is available for the product. Ecological data for the components is as follows:

### High molecular weight hydrocarbon

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No data available for Aquatic Toxicity to Fish and Invertebrates, Aquatic Toxicity to Plants and Microorganisms, Toxicity to Terrestrial Organisms, Persistence and Degradability, Bioaccumulation Potential, Mobility in Soil.

Ozone Depletion Potential: This product contains no ingredients listed in the Annexes to the Montréal Protocol on Substances that Deplete the Ozone Layer.

## 13. Disposal Considerations

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Do not discharge waste product into sanitary or storm sewers or allow it to contaminate soil. Consult applicable Federal, State/ Provincial, and local regulations.

## 14. Transport Information

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Transport is not regulated by USDOT, TDG (Canada), IATA, or IMO.

## 15. Regulatory Information

### United States Regulatory Information

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All components of this product are listed on the EPA's TSCA inventory.

SARA Hazard Classes: none

SARA Section 313 Notification: This product contains no ingredients in concentrations >1% (for carcinogens 0.1%) subject to Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 or 40 CFR 372.

#### Canadian Regulatory Information

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All components of this product are listed on either the Domestic Substances List (DSL) or the Nondomestic Substances List (NDSL).

WHMIS Class(es) and Division(s): D2B  
Components on Ingredients Disclosure List: none

This product has been classified according to the hazard criteria of the CPR and this SDS contains all of the information required by the CPR.

#### 16. Other Information

##### ----- HMIS Ratings (Legend)

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Health - 1 (slight hazard)  
Flammability - 1 (slight hazard)  
Physical Hazard - 0 (minimal hazard)  
PPE - see Note

Note: Lucas-Milhaupt, Inc. recommends use of protective eyewear and gloves (Personal Protection Index "B") as standard PPE. HMIS recommends that its ratings be used only in conjunction with a fully implemented HMIS program, and that specific PPE codes be created by the user, who is familiar with the actual conditions under which the product is used. We cannot anticipate every condition of the product's use, and it is the user's responsibility to evaluate the hazards pertinent to its specific operations, and to determine the specific PPE required.

##### NFPA Ratings

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Health - 1      Flammability - 1      Reactivity - 0

##### Preparation Information

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Date of Preparation: 2 July 2014  
Date of Prior SDS: 21 April 2003

##### Disclaimer

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Lucas-Milhaupt, Inc.